

DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on
Chemicals, Drugs, Colors, and Aromatics

VOL. XVIII

NEW YORK, JANUARY 6, 1926

No 1



Calco Oil of Myrbane

(Distilled Nitrobenzene)

Drums or Tank Cars

THE CALCO CHEMICAL COMPANY

Bound Brook N.J.

New York Boston Philadelphia

In This Issue { *Market Reactions to Research*
If Tetraethyl Lead is Approved

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ALCOHOL



The Alcohol Plant at Baltimore

ALCOHOL . . .

each year a more vital factor to industry

WATER, oil, alcohol—these are the three liquids of prime importance to mankind. Without water we could not live, without oil our industries could not turn a wheel, without alcohol we would have few of our modern comforts.

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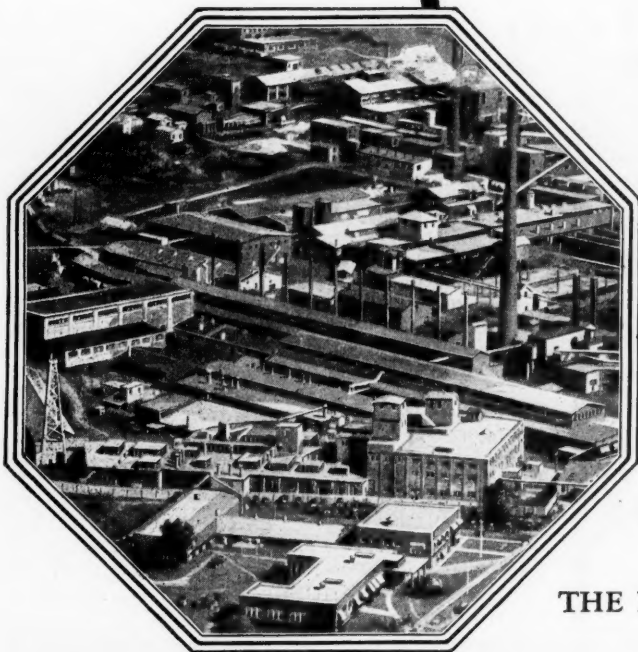


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MATHIESON Chemicals

Quality Is Paramount

WITH many of the raw materials going into the chemical-consuming industries, market fluctuations are wide and frequent. In such cases the question of price may readily assume in the mind of the buyer an importance out of all proportion to other vital considerations.

This undue emphasis on price may often extend even to those raw materials where market changes are infrequent and small, and where little may be gained by "shopping" for lower quotations. Thus, when the quality and uniformity of the product and the character of the manufacturer should be the prime considerations, price frequently becomes the principal deciding factor. Long-established brand names and records of service may be entirely disregarded for a negligible difference in price.

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Western Electric

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Changes name—

Effective January 1st, that part of the Western Electric Company known as the Supply Department, takes Graybar Electric Company as its name. This involves no change whatever in the existing distributing organization. Nor does it affect the facilities offered to buyers of electrical supplies all over the country. The significance of the change is found rather in the source of the new name—derived from Gray and Barton, the original business title of the founders of Western Electric in 1869. Pioneers of 56 years' standing in the electrical industry, Graybar looks forward to the next 56 years of service.

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forward
to the next
fifty-six
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SUCCESSOR TO SUPPLY DEPT.

Western Electric

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Revolution or Evolution--Which in 1926?

Ammonia, acetic acid and acetic anhydride, bromine and chlorine, methanol and butanol—these very words are alive with meaning in chemical circles today. The mere mention of lacquers, of fertilizers, motor fuels, solvents, or synthetic fibres conjures up the spectres of new, bitter competitions; the vision of great, new markets.

An illustrious chemist has recently said, "The past five months have seen the commercial fruition of more revolutionary developments in chemical technique than any ten previous years, and at least three of these will prove to be, I am quite confident, as far-reaching and fundamental in their effects as was Perkin's discovery of the first coal-tar dye."

The chief sales executive of one of our great chemical companies recently reported to his directors; "The pressure upon chemical prices has been lightened by better demand, except where some new product or some cheaper production has disturbed the market. In such instances the strain has been terrific."

We have summed up here, from the chemical and commercial points of view, the most significant fact of the past year. No random chemical event, no trend of our current price quotations, no political or economic change in basic industrial conditions, has a tittle of the importance of the fact that 1925 has plainly marked the

opening of a new era of chemical development. The full implications of such a chemical revolution are staggering. We have seen chemical plastics replace natural gums and oils in a big part of the varnish demand. Tetra-ethyl-lead bids fair to make all existing automobile engines obsolete. A big consumer of acetic anhydride has become almost overnight a producer with a surplus to sell. The outlet for their hydrogen in synthetic ammonia has radically changed the position of the companies producing electrolytically that most stable of chemicals—caustic soda.

No need to multiply examples: and it would require a big book to trace out all the ramifications of effect that even these few have already had upon technique and markets. But there is great need to study these changes and to prepare for others more radical sure to come. To the chemical industry these changes mean violent readjustments, and the strain will indeed be terrific. Shall the chemical revolution run a riotous, ruinous course or will it, by control, become an orderly evolution, widening the field of the chemical industry and increasing its basic importance to all other industries? There is but one answer to the problem—research, both technical and commercial research; diligent, ceaseless, foresighted research.

It was a favorite saying of Napoleon's that he did not care what happened so long as he knew beforehand what would happen.

ANOTHER PREMATURE OBITUARY

About nine months ago, the American wood chemical industry was astounded by the announcement that Germany was manufacturing methanol synthetically and shipping it to this country at about half the cost to produce it from wood. Newspaper articles were written, speeches were made, meetings held, and the price of wood alcohol and of acetate of lime were reduced about 15 per cent. The American wood chemistry industry was surely doomed to immediate annihilation. Following the price of wood alcohol, formaldehyde and hexamethylenetetramine were reduced in price.

Meanwhile, shipments of synthetic methanol were steadily entering this country, but none of it was finding its way to the open market. Then the rumor spread that the German interests were sending it over here solely to sell the American patent rights to Americans. Still later, came the information that the process of manufacturing methanol synthetically was already covered by basic patents owned by the Chemical Foundation, and leased by them to American manufacturers. In that case no royalties need be paid to German interests and American methanol industry could be independent of Germany.

While all this was developing, American wood distillers were selling their total output on contract at the reduced price. After most of the production was sold up, the excitement began to subside, and an advance in price of alcohol was announced, too late for a number of the producers to sell for this year at the higher figure. On top of that comes the announcement this week of an advance in the price of acetate of lime and just a few days ago, the Treasury Department decided that denatured ethyl alcohol No. 6 was to be eliminated, thereby increasing the potential market for methanol in No. 5. The Germans could hardly be accused of anticipating all these developments, but their activities certainly benefited certain of the consumers for a time. The subsequent developments have proved that the obituary of the American wood chemical industry, like many another, was premature.

CONSUMER ACCEPTANCE—1914 AND NOW

British manufacturers in chemical as well as other lines are making an appeal to their compatriots to support British industries wherever possible. In advertisements in the British trade journals, among the qualifications on which the advertiser bases his appeal, appears the statement, "It is British". While such an appeal has point in the European countries which are still suffering from the labor conditions brought about after the war, it is not wholly unworthy of consideration in this country too, where the magic word "imported" has so long been the hall-mark of perfection. This is no longer so true in chemicals as it once was, but for some buyers, a certain glamour still clings about a foreign mark on the container. "Made in U.S.A." means much more in chemicals today than it did ten years ago.

WHO'S WHO - in the Chemical Industry

Samuel Leonard Abbot, Jr., mgr., Chemical Dept., Mailliard & Schmiedell, San Francisco. Born: San Francisco, Oct. 27, 1890. Mar.: Martha Kittle Foster, San Rafael, Cal., Nov. 4, 1914. Educat., Univ. of Calif., 1912. Business: Otis McAllister & Co., 1910-12; S. L. Jones & Co., 1913; Mailliard & Schmiedell, 1914 to date. Organized Chemical Dept., Mailliard & Schmiedell, 1917. Member: Marin Golf & Country Club, Golden Gate Paint & Varnish Club. Hobbies: Hunting and fishing.

Charles E. Adams, pres., Air Reduction Co., pres., California Cyanide Co., New York. Born: Toledo, O., Oct. 29, 1881. Mar.: Phyllis Shearson, Greenwich, Conn., Feb. 3, 1917. Educat.: Yale (B.A.) 1904. Business: Banking & Investment Banking, 1904-18; Air Reduction Co., (treas., 1918-20; v. pres., 1920; pres., 1921 to date); Cuban Air Prods. Co., (chmn., Finance Comm.); Compressed Carbonic Co., (exec. comm.); Calif. Cyanide Co., (pres.). Member: University, Racquet & Tennis, Yale and Chemists' Clubs. Hobbies: Fishing, shooting and golf.

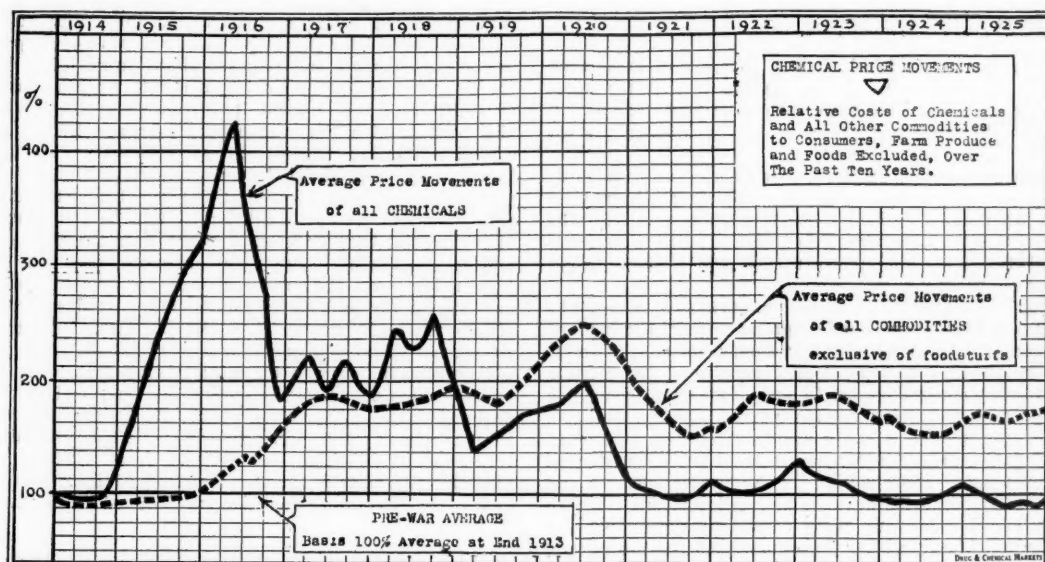
Ernest F. Hartman, pres., Protexol Corp., New York. Born: Germany, 1897. Educat.: Public school. Business: Carbolineum Wood Preserving Co., 1901. Spanish-Amer. War veteran, 1898. Member: A. S. T. M., A. R. E. A., A. C. S., A. E. R. E. A., A. W. P. A., Assoc. Amer. Soc. C. E. Hobby: Keeping wood from rotting.

Benjamin Moses Pilhashy, partner, American Chemical Works, San Francisco, sales agent for several American and foreign manufacturers of chemical equipment. Born: Cincinnati, O., Jan. 4, 1876. Mar.: Juliet Kramer, San Francisco, June 1, 1913. Educat.: Univ. of Cincinnati, B. S. in Chemistry, 1897. Business: Manufacturers' representative since 1918. Member: Amer. Chemical Society (since 1896), Commonwealth Club of Calif. Hobby: California.

William John Van Sicklen, chem. engineer and business mgr., American Chemical Works, San Francisco. Born: Castleton, Ont., Canada. Mar.: Helen Putnam, San Francisco, July 16, 1917. Educat.: Stanford Univ., B. A., 1912; M. A., 1913; Ph. D., 1916. Business: Instructor, Chemistry, Rice Inst., Houston, Tex., 1914-16; Beckman & Linden Corp., San Francisco, research director, 1917-18; American Chem. Wks., gen'l. mgr., 1918 to date.

Henry Wigglesworth, mfg. chemist and consulting chem. engineer, New York. Born: Belfast, Ireland, Nov. 2, 1866. Mar.: Beatrice Murphy, New York, 1918. Educat.: Schools in England and Scotland, Robert Gordon College, Aberdeen, Scotland. Active leader in the development of the heavy chemical industry including the contact process for the manufacture of sulfuric acid and the largest synthetic ammonia plant that since the war has proved to be an economic factor and producing success in the U. S. A. Formerly and for 26 yrs., Director of Research & Development, General Chemical Co. Pres., Urban Corp.; chmn. of Exec. Com., Nat'l. Aniline & Chem. Co., during war period; appointed Special Trade Commissioner, 1919, to represent Dept. of Commerce in Europe during Peace Conference; member, Advisory Com., Chemical Foundation. Member: Chemists' Club, Bankers' Club, Lotos Club, Amer. Inst. of Chemists, Rockaway Hunting Club.

Market Reactions to Research



FORCES, external to the chemical and drug markets, have lost most of their effect upon prices during the year just past. In the war period chemical and drug prices soared willy-nilly: it was a common saying that "any one could make money." Since the war, universal deflation has forced prices downwards without regard to supplies or demand. Losses—undeserved on any technical or commercial grounds—have been forced upon efficiently managed firms.

During 1925, however, forces within our own industries have exerted the determining influence upon price movements. The true meaning of the general overproduction in our field has been bitterly learned, and this is the obvious, basic reason why drug and chemical prices have so lagged behind the advances scored for general commodity prices as evidenced by the accompanying chart.

But other internal forces have been exerted. New developments of a technical character—bromine, ammonia and its salts, methanol and butanol, acetic acid, are familiar examples—have had serious effects upon supply felt in price revisions. New demands in artificial silk and leather, in lacquers, in motor fuels, in rubber accelerators, have dug new consuming channels through which many supplies have been diverted. Control of raw material supplies—quicksilver, vanillas, and peppermint oil for example—have affected markets markedly. New products, such as synthetic menthol, and new producers, as in quinine and acetic anhydride, have forced readjustments.

In fact this word 'readjustment' best sums up the basis from which the drug and chemical markets of 1925 have reacted. There is no sound reason to expect anything for 1926 than further readjustments of even more far-reaching market effects. The most foresighted of the executives are concerning themselves seriously with the problems that rest on this constantly changing foundation, happy in the knowledge that every prospect is for

good business and secure in the knowledge that they are able to profit most by leading in these readjustments rather than being led by them.

Heavy Chemicals

The outstanding change in heavy chemical prices was the sharp break in anhydrous ammonia as a result of a price war. This was brought about by new makers of synthetic ammonia attempting to market their product. The price broke from 30c lb to a present market of 13c lb and further declines are anticipated. A gradual settling in prices for aqua ammonia followed, and this market, which was formerly firm at 6¼c lb is now weak at 3c lb with some factors predicting 2c lb in tank cars in the future. Sal ammoniac followed the ammonia crash and prices for this year are lower by 1c lb on white, and ½c lb on gray. This makes the market for white 6c@7c lb, against a market for imported material of 5¼c@5¾c lb. Domestic gray is offered at 7c@8c lb, against 6¼c@6¾c lb for imported. Thus the speculative element has been entirely removed from this product, and importers will be unable to compete at any appreciable distance from the seaboard. Sodium cyanide likewise declined as a result of lower ammonia and domestic prices are down to 20c lb. Foreign producers of cyanide are not in a favorable position with ammonia at present prices.

Acetic anhydride produced by an artificial silk producer as a raw material for its own consumption resulted in a new process being introduced. A lower price of 29c lb has been made possible for 92-95 per cent material, against a previous market of 37c lb. Competition from imported material can be met at still lower figures.

Other price variations were more or less within narrow limits. Barium chloride sold at new low prices of \$55.00 ton but lately advanced to \$60.00. Barium carbonate has been forced into a weak condition by heavy imports with sales made as low as \$40.00 ton by importers, against a previous market of \$52.00 ton. Butyl alcohol

has declined with corn markets and in December was quoted at the lowest prices ever recorded, 19½c lb, against a price in January of 26½c lb. Acetone as a by-product of butyl alcohol has entirely replaced the product made from acetate of lime and a steady market is recorded for the past year at 12c lb, with a 10c price in effect for a short period.

Ethylene glycol was reduced sharply by the manufacturer from 50c lb to 30c lb and it has been introduced rather extensively in the anti-freeze market for automobile radiators. Ethylene dichloride was likewise cut sharply by the same maker from 20c lb to a present price of 10c lb.

Arsenic declined over the year to a price of 6c lb at the opening to a price of 3c lb at the close. The market has been entirely devoid of speculation and with the present demoralized condition of the calcium arsenate market it does not appear that it will recover during the coming year.

Speculation was rife in sodium prussiate during the first part of the year, but foreign makers are not inclined to compete further in American markets and contracts are obtainable only from domestic makers. This market is on an even keel at 10c lb and promises to remain in a quiet state for the coming year.

Caustic soda was fairly steady throughout the year, although competition for contracts at the close showed slightly more apprehension on the part of makers and a more marked willingness to meet price-cutting. Bleach and chlorine markets were very firm throughout the year and bleach was advanced to \$2.00 for the current year.

Sulfuric acid held at firm unchanged prices, but advances in sulfur prices gave the market an upward appearance. Muriatic acid was fairly steady. Acetic acid continued to fluctuate with acetate of lime, as the synthetic product is being marketed at the same prices.

Coal-Tar Crudes

Benzene on the whole has moved at satisfactory price levels throughout the year. During the summer the usual tightness developed due to motor fuel blenders bidding above the market for pure products. Easiness developed on several occasions and prices declined slightly, but the average was high when it is realized that steel production has been at, or above, normal and output of benzene correspondingly high. The greatly increased demand from lacquer makers for solvent naphtha, xylene, and toluene has kept the market bare of these products for some months past. Prices on the entire list were advanced sharply, in the case of commercial xylene and solvent naphtha 9c gal., and in the case of other fractions 10c gal. This has put toluene, commercial xylene, and solvent naphtha on a 35c gal. basis, against 26c gal. for some time previous. The heavy demand for toluene resulted in this product being stripped from 90 per cent benzene with a consequent shortage of 90 per cent. Pure and 90 per cent benzene had really reversed their positions in the market at the close of the year. Pure benzene is generally quoted at higher prices than 90 per cent, but at the close they were quoted at the same figures, with 90 per cent very firm, and pure weak.

Other crudes showed no basic change in position. Cresylic acid moved at rather low prices due to weakness abroad. Pyridine was held at slightly higher prices than for the previous year. Phenol was practically always open to shading but the market did not reveal any real weakness. Naphthalene was quiet with prices slightly lower. Phthalic anhydride was reduced rather sharply, but the market was well maintained at quoted prices.

Coal-Tar Intermediates

The general trend of intermediate prices was downward. Aniline oil was maintained at steady levels, but

dimethylaniline sagged under selling pressure and at the close was quoted as low as 30c lb. By far the most interesting group was that of toluene derivatives. The heavy demand at the beginning of the year for ortho-nitro-toluene for use as an anti-knock reagent brought advances in prices from 9c lb to 20c lb, but when this demand ceased prices sagged to 13c lb. With such a heavy demand for the ortho salt, weakness developed in the para market and prices declined from 42c lb to 25c lb. Ortho-toluidine advanced rapidly in price both as a result of the demand for ortho-nitro-toluene and also because of a heavy demand for ortho-toluidine as a mining flotation reagent. Prices in January were 18c lb but they reached 25c lb for contracts. The use of potassium xanthate as a flotation reagent, and the discontinuance of the use of ortho-nitro-toluene as an anti-knock reagent brought some weakness into the situation and prices receded. But prices could not go down to former levels on the ortho salts owing to the ruined markets for the para-salts—para-toluidine declined from 70c lb to 50c lb with bids below that figure solicited. At present ortho-toluidine is quoted at 22c lb.

Para-nitroaniline was the subject of a price-war instigated by new makers entering the field and prices declined from a firm basis of 66c lb to close to 51c lb at the close. Meta-nitro-para-toluidine weakened due to foreign competition and declined from \$2.05 lb to \$1.80 lb. Meta-toluylene-diamine declined from 80c lb to 73c lb. Para-phenylenediamine declined from \$1.25 lb to \$1.20 lb.

Fatty Oils

Prices on oils, fats and greases were at satisfactory levels throughout the year. Coconut oil presented a very tight situation in November and prices advanced sharply. This was due to the soft condition of the market throughout the summer with importers unwilling to take on consignments at high freight rates. When it was finally realized that there was not sufficient oil on the way to satisfy the requirements of consumers, importers attempted to obtain freight space but found that these steamers were then operating in oriental channels. This brought about a very acute shortage of oil until the very close of the year when prices were back to normal.

Tallow was very firm in August due to the high grain markets during the winter which made it more attractive for hogs to be slaughtered. This brought a decided shortage of tallow. Other animal products varied within narrow limits.

Rosins climbed to very high levels reaching \$16.00 on common and medium grades. Turpentine likewise was strong for the greater part of the year. The heavy demand for labor as a result of the building boom in Florida advanced costs of producing rosin and turpentine.

Fine Chemicals

The market for medicinal chemicals presented a good front for the year taken as a whole. While trading did not always measure up to some of the enthusiastic forecasts of the first of the year, it was all along substantial lines and a healthy condition pervaded the market. There were a few instances where competition was pretty keen and prices were cut to meet this. Such a price reduction took place in benzoic acid and sodium benzoate when one dealer tried to sell out the stocks of a producer who had gone out of business. Competition has also been keen in all the salicylates but prices were not materially affected. Bismuth and the bismuth preparations were similarly affected early in the year, but a good demand for the metal set in advancing its price through a wide range three times during the year, and the preparations followed suit. Mercury

was fairly well controlled during most of the year, and although there were a number of instances when the price was temporarily reduced, the general market has been firmly held. With the opening up of the production season, in the fall, came the announcement that most of the current year's production was already bought ahead, and the price advanced from somewhere in the neighborhood of \$75 a flask, through successive stages to \$90, around which figure it has been fluctuating ever since. In view of this situation, the prices of all mercurial preparations advanced on two separate occasions during the year and they are now firmly held at the latest figures.

Menthol furnished one of the features of the market. Early in the year it fluctuated in its usual manner around the comparatively high levels of a year ago. Early in the spring a short interest began operating on the market selling future positions consistently, basing his activities on the knowledge that the planting was abnormally large and, barring unforeseen circumstances, the crop would be large. Events of the fall bore him out and the price fell in a few weeks time from \$13.00 a pound to \$7.50 in a more or less steady decline. This was in spite of the stronger position of Japanese exchange and the high prices prevailing for American peppermint oil.

Alcohol was maintained in first hands at unchanged prices until about June when the price was radically reduced for the placing of contracts. Prices were successively advanced from then until about the middle of August when a level was established slightly higher than last year's level. This level was generally maintained, outside a few resale lots, until the first of December, when the absence of severe cold weather caused those who had bought or were producing principally for the anti-freeze market to liquidate some of their stocks with the result that amounted virtually to a crash in the New York market. The anti-freeze market also had its effect on the glycerin prices as the producers made their first concerted effort to push glycerin for that purpose this year. This additional opening for the glycerin, added to the depletion of surplus war stocks of explosives, brought about a thirty per cent advance in the price of all grades of glycerin during the months of October and November.

The first shipments of German synthetic methanol to this country this year threw a panic into the wood chemical industry and they reduced the price of natural methanol and acetate of lime. This made possible a reduction in formaldehyde and hexamethylenetetramine both of which moved into consuming circles as rapidly as they could be produced. When the synthetic scare proved to be ill-founded, methanol and formaldehyde were again advanced but hexamethylene was held at the lower price by foreign competition. A number of other items that have been affected by foreign competition heretofore, have suffered less this past year, partially because of the protective tariff and partially because of the higher cost of foreign production. This is notably true of the bromides, citric and tartaric acids, cream of tartar, and rochelle salts. In the case of the bromides, the ethyl gas situation has also tended to lessen the keenness of competition.

A number of the minor alkaloids were advanced in June after a period of low prices made in an attempt to shake out competition. Of the more important alkaloids, caffeine was advanced in price in January, cocaine in April and quinine and strychnine were reduced in June. Quinine has seen some pretty keen competition during the last few months, and a great deal of price shading was carried on, although no open quotations were changed. Santonin, which was advanced in January,

on account of higher costs, was reduced in November to entice new business and reports seem to indicate that this end has been realized.

Codliver oil started to firm up during the fishing season, when it became apparent that although the catch was of fair proportions, the carry-over would be less. It advanced gradually to about \$45.00 at which point consuming interest waned and the price again receded to a little below \$40.00 a barrel, but without much apparent encouragement to buying. One of the producers of cresol found its production unprofitable and dropped out leaving the business to be taken care of by others in the field, and the supply was found to be insufficient. Prices, however, were held nominally at their former figure, with goods offering when available.

Crude Drugs

The crude drug market showed a more even trend during the year although there were a number of violent fluctuations in particular items, the bulk of which were too numerous to mention in detail. Outstanding developments in the year's crude drug market, were the shortage of a number of flower and herb crops in Europe and the southern part of this country, due jointly to an unusually dry summer, and unwillingness to harvest material for which prices had been too low; the persistent holding of values in this market below values at primary sources; and a few well developed and acute shortages. Ergot, buchu and lycopodium gave promise of reaching high prices but when prices reached above what seemed like reasonable levels, demand fell off and prices wavered, finally fluctuating at about what seems to be the point of balance. Chamomile flowers were left unharvested and prices rose sharply as happened in a large number of the less important items. Ipecac became scarce when a few large orders wiped out local stocks, and higher remuneration from other sources turned gatherers from collecting it. Mexican sarsaparilla root became a scarcity on this market, when the department of agriculture rejected practically all lots coming to this country as not measuring up to standards. Spices unexpectedly kept up their fall activity and even developed greater activity when a few short crops were discovered there, notably in black and white peppers. Gums and waxes developed additional strength during the year, due to increased demand from Europe. Unusually large crops were grown this year in pyrethrum flowers, with the result that the price went much lower, but a large buying activity prevented any actual demoralization from affecting this market. Other items of importance in the crude drug list, such as aconite, belladonna, digitalis, senna, orris, dandelion, gentian and rhubarb, showed only normal fluctuations with buying normally steady.

Miscellaneous Markets

The corn products, starch, dextrin, etc., gradually rose in price until the spring when the area planted became evident, then they began to fluctuate somewhat. Early in the summer, when some correct idea of the size of the corn crop began to be had, the price began to decline and continued in successive steps until late in the fall when prices were about sixty per cent of the April level. Fertilizer raw materials showed a general strengthening tendency almost throughout the year. This was caused principally by the fact that the fertilizer manufacturer was in a position to pay a fair price for the first time in a number of years. Another contributing factor was the shortage of organic ammoniates that developed in the spring when the slaughtering fell off considerably. Woods, barks and extracts for tanning and dyeing showed comparatively little fluctuation of importance during the year. Logwood sticks were ad-

vanced, by the increased costs of labor in the primary market. Myrobalans reached higher figures than they had held for some time. Sumac showed the most violent fluctuations, advancing all the way up to \$160 ton in the spring and then gradually receding to \$95 by the end of the year. The recession was produced by the refusal of consumers to buy at such prices. Extracts showed only a normal fluctuation, with demand at no time of large proportions, although the general feeling among suppliers is that market conditions are better today than they have been for a number of years.

Essential Oils

Standing out in one of the strongest essential oil markets of the past five years, peppermint oil was the undisputed feature during 1925. Price records for all time were broken by the spectacular rise, at the peak of which, quotations touched the formerly unrecorded level of \$28.00 per pound for natural oil. Numerous other significant developments among the essential oils, such as repeated sharp advances in cassia, bergamot, lemon, rose, almond and peach kernel, and declines in citronella, caraway, and others, were more or less relegated to the background during the year by the spectacular behavior of peppermint.

Due primarily to the influence of high peppermint prices, the beginning of December, 1925, saw the average of essential oil prices at the highest point since the post-war orgy of inflation. The last four weeks of the year were characterized by somewhat of a reacting tendency from the high point of Dec. 1, due mainly to cassia, Bourbon geranium and peppermint prices softening perceptibly. Nevertheless, closing prices of the year showed essential oil costs to consumers about twenty-five per cent above the average levels of last January.

Both short and large productions had a great deal to do with the markets during 1925. The production of peppermint oil, which was estimated at anything from 200,000 to 350,000 pounds in July, apparently turned out at the close of the season to be much nearer the minimum figure than was believed possible with the high prices ruling. With the short crop of peppermint and its high price, the minor American oils, erigeron, wormwood, tansy, and spearmint, were almost completely neglected, and as a result, likewise rose to unprecedented heights. Bumper production of Bourbon geranium brought sharp declines in price during the year and a marked increase in consumption. Heavy shipments of citronella to the American market with an abnormally small demand drove prices down steadily throughout 1925.

Both orange and lemon production in Italy was reported at least twenty per cent under normal this season.

This, coupled with speculation, was a pronounced bullish factor. Lemon prices more than doubled from January to December, and ended the year at something closer to a normal price, based on figures for many years prior to the war. In lavender, high prices ruled for the entire twelve months due to a short crop in 1924. The 1925 production, however, was considerably larger. A steady slump in the consumption of caraway oil depressed prices through the period. This oil appears to have almost disappeared from its former prominent position in the American market.

Among the synthetics, terpineol and methyl salicylate were subjects for keen competition and lower prices throughout 1925. In fact, few synthetics, if any, registered higher prices during the year owing chiefly to competition. The cheap stocks of geranium, particularly, won back a great deal of business which had previously been held by synthetic substitutes, isolates, and compounds.

The long expected crash in vanilla bean prices came in 1925. Bourbon beans, a large bumper crop of 1924, were thrown on the market in such profusion that prices dropped to less than a third of their former levels with severe losses to growers and importers. Naturally, all other grades were affected adversely, and Mexicans and Tahitis were also forced downward. Most beans were selling cheaper in New York at the close of the year than they could be purchased in primary markets.

CHEMICAL EXPORTS INCREASE

November Shows Gain of Nine Per Cent Over November, 1924—Fertilizer Trade Smaller

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Jan. 6.—The total exports of chemicals and allied products increased 7 per cent in value from \$11,058,000 in November, 1924, to \$11,786,000 in November, 1925, while the imports decreased 13 per cent from \$16,222,000 to \$14,150,000, according to the Chemical Division of the Department of Commerce. Both the imports and the exports were under the average monthly figure for the current year.

Whereas the exports of industrial chemicals gained 9 per cent over the previous November, the imports lost 9 per cent. The total exports which equalled \$2,257,000 were \$593,000 in excess of the imports. All items included in the exports with the exception of acids and anhydrides, ammonia and ammonium compounds, and potassium compounds, surpassed those of the previous November, figures for some of the more important commodities for November, 1925 being: Acetate of lime, 4,571,000 pounds, \$141,000; calcium carbide, 624,000 pounds, \$26,000; bleaching powder, 1,829,000 pounds, \$35,000; copper sulfate, 758,000 pounds, \$35,000; dextrin, 2,374,000 pounds, \$107,000; formaldehyde, 138,000 pounds, \$22,000, and glycerin, 127,000 pounds, \$24,000. The exports of sodas and sodium compounds advanced from 27,444,000 pounds, valued at \$692,000 to 28,367,000 pounds, valued at \$706,000.

Although the imports of acids and anhydrides rose over 200 per cent in quantities from 2,346,000 pounds in November, 1924, to 7,800,000 pounds in November, 1925, the values advanced less than one per cent from \$169,000 to \$170,000. Some chemicals in which larger amounts came into the United States in November, 1925 than in November, 1924 were: Ammonium nitrate, 1,927,000 pounds, \$94,000; citrate of lime, 113,000 pounds, \$11,150; potassium carbonate, 813,000 pounds, \$37,000; and potassium bitartrate, 1,845,000 pounds, \$131,000.

Foreign sales of sulfur showed an expansion from the previous November but were less than the preceding months, and equalled 37,000 tons, valued at \$659,000.

Explosives was another class to show an advance over the previous November but a decline from the preceding months, total for the month having been 1,273,000 pounds, valued at \$195,000, 82 per cent of which was dynamite.

The fertilizer trade during November, 1925, was smaller than for November, 1924, with both outgoing and incoming shipments less, the former by 26 per cent and the latter by 2 per cent. The exports of 65,000 tons valued at \$1,119,000 for the month of November, 1925, were the smallest for the year. Phosphate rock shipments amounting to \$328,000 (44,000 tons) were considerably under the preceding November figure while those of prepared fertilizer mixture amounting to \$109,000 (2,000 tons) were above. Exports of ammonium sulfate continued lower and equalled \$507,000 (9,000 tons).

The supply officer, Navy Yard, Portsmouth, N. H., has been authorized to purchase 30,000 lb sulfuric acid, on requisition N. S. A. F. 449.

The Industry's Finances

CHEMICAL EMPLOYMENT INCREASES

Number of Employees and Total Payrolls Advance—Union Bag & Paper Breaks Even—United Drug Sales Increase—Pennsylvania Salt Dividend—Cleveland-Cliffs Stock on Curb Market—New DuPont stock to be Listed

FOREIGN EXCHANGE		Par	Current
Great Britain (pound sterling)	.....	\$ 4.866	\$4.84 3/4
France (franc)	.....	.193	.037
Italy (lira)	.....	.193	.040
Belgium (franc)	.....	.198	.045
Czechoslovakia (crown) per hundred	.....	20 30	2.967
Denmark (krone)	.....	263	.247
Germany (mark)	.....	.238	.238
Holland (florin)	.....	.402	.402
Norway (krone)	.....	258	.203
Poland (zloty)	.....	.193	.115
Spain (peseta)	.....	.193	.141
Sweden (krone)	.....	268	.268
Switzerland (franc)	.....	.193	.193
Argentina (peso)	.....	.424	.413
Brazil (milreis)	.....	.324	.146
Japan (yen)	.....	.406	.481
India (rupee)	.....	.485	.367
China (silver dollar, Hongkong)	.....	.789	.583
(Tael—Peking, silver)	.....	1.146	.792
(Tael—Shanghai, silver)	.....	1.986	.756

Washington, D. C., Jan. 6—November employment figures in the chemical industry which have just been made public by the Bureau of Labor Statistics, Department of Labor, show that reports were received from 84 chemical plants which showed employment in October in these plants totalling 21,652 increasing in November to 21,919, an increase of 1.2 per cent. The payrolls in these plants also increased from \$542,185 in October to \$555,673 in November, an increase of 2.5 per cent.

Replies were also received from 79 chemical plants who reported their employment in November of last year at 19,741, increasing in the same month of this year to 20,533, an increase of 5.5 per cent. The payrolls in these plants also increased from \$485,153 in November of last year to \$523,589 in the same month of this year, an increase of 7.9 per cent.

It is reported that the Union Bag & Paper Corp. will be fortunate in breaking even on operations for 1925. This is attributed to the poor condition of the bag division of the paper industry. The same condition was existent at the close of 1924. Despite the fact that the company has experienced these two poor years, their financial condition is unimpaired. The sale of bonds in 1922 has enabled the company to continue expansion work which it has been carrying on.

The Union Trust Co., Pittsburgh, is expected to offer \$13,000,000 5% bonds of the Chicago By-Product Coke Co. at an early date. Proceeds will be used to retire the \$13,000,000 of 7% bonds to be called at 102 and interest for February 1, 1926.

United Drug Co.'s total net sales for 1925 will probably reach \$80,000,000, an increase of \$10,000,000 over 1924, says the "Wall Street News." Since Nov. 1 the company has taken over 30 stores and is contemplating the erection of further new units.

Pennsylvania Salt Manufacturing Co. has declared a quarterly dividend of two and one-half per cent payable Jan. 15 to stockholders of record Dec. 31.

Bradstreets report failures for 1925 as being 18,858 or a decrease of 4.3% from the year 1924. This number is the smallest since 1921, but more than twice the total of 1920.

The Goldeg Manufacturing Corp. has been chartered under the laws of Delaware to engage in the manufacture of soaps, candles, etc. The capital stock is fixed at \$200,000.

E. I. DuPont de Nemours & Co., has made application to the New York Stock Exchange for permission to list \$10,000,000 additional debenture stock (non-voting).

A block of 400,000 shares of Cleveland-Cliffs Iron Co.'s authorized no-par stock has been admitted to unlisted trading privileges by the New York Curb Market.

Procter & Gamble Distributing Co., Baltimore, has been awarded a government contract for 30,000 lb lard substitute at 11.78c.

Securities Quotations

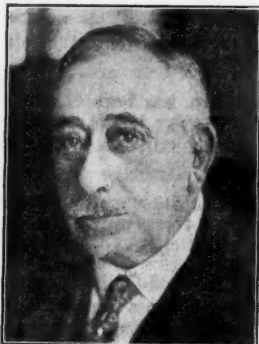
Closing Prices For Week Ending Jan. 2, 1926

Bid		Asked		Bid		Asked	
*Air Reduction	.....110	111		Hercules Powder	.....135	140	
*Allied Chem & D	.....113	114		Hercules Powd pf	.....110 1/4	112 1/4	
*Allied C & D pf	.....120	120 1/4		Heyden Chem	.....	2 1/4	15
*Am Ag Ch	.....23 1/4	27 1/4		Hooker Electro	.....	10	15
*Am Ag Ch pf	.....79 1/2	80		Hooker Electro, pf	.....	50	60
*Am Chic	.....48 1/2	49 1/2		*Household Prod	.....	47 1/2	49
*Am Chic pr pf	.....89 1/2	95		*Int Agricult	.....	20 1/4	21
*Am Cyan	.....140	150		*Int Agricult pf	.....	75	85
*Am Cyan pf	.....87	92		*Int Nickel	.....	45	45 1/4
*Am Druggists S	.....4 1/4	4 1/4		*Int Nickel pf	.....	98	—
*Am. Glue	.....47	50		*Int Salt	.....	85 1/4	92
*Am. Glue, pf	.....106	109		Lehn & Fink Prod Co	.....	40 1/4	40 1/4
*Am Linseed	.....52 1/4	53		*Mathieson Alk	.....	105 1/4	105 1/4
*Am Linseed pf	.....86 1/4	87		*Mathieson Alk pf	.....	100	—
*Am Metal	.....54	55		MacAnd & Forbes	.....	187	187
*Am Metal pf	.....115	116		MacAnd & Forbes, pf	.....	103	103
*Am Zinc	.....8 1/4	9		Merck & Co.	.....	55 1/4	57
*Am Zinc pf	.....37 1/4	38		Merrimac	.....	84	86
*Archer Dan Mid	.....44 1/4	45 1/4		Mulford Co.	.....	30	30
*Archer Dan Mid pf	.....104	105		*National Lead	.....	166	167 1/4
*Atlas Powder	.....56 1/4	57		*National Lead pf	.....	116	116 1/4
*Atlas Powder pf	.....93 1/4	95 1/4		Niag. A, pf	.....	80	85
By-Prod. Co.	.....46	49		N I Zinc	.....	208	208
By-Prod. Co., pf	.....102	105		*Parke, Davis & Co.	.....	113 1/4	115
Canad. Ind., Al	.....115	115		Penn Salt	.....	70 1/4	70 1/4
Canad. Salt	.....105	114		*People Gas Chi	.....	119	119 1/4
Celanese Co.	.....162	170		Procter & Gamble	.....	114 1/4	115
Celluloid Co.	.....20 1/4	22		Procter & Gam pf	.....	158	—
Celluloid Co pf	.....73	77		Royal Bkg Powd	.....	195	205
*Certain-teed Prod	.....33	37 1/4		Royal Bkg Powd pf	.....	102	104
Charcoal Iron	.....10	20		Shawinigan	.....	167	—
Ches Mfg.	.....69 1/4	70		Sherwin-Will 1st pf	.....	105 1/4	109
Ches. Mfg. pf	.....113	—		*Sterling Prod	.....	80	80 1/4
Clark Co. Prod	.....2 1/4	4		Swan & Finch	.....	21	22 1/4
Cleve Cliffs Iron	.....70	75		Swan & Finch pf	.....	20	30
*Com Solv A	.....121	125		*Tenn C & Chem	.....	14 1/4	14 1/4
Do B	.....118	121		*Tex Gulf Sul	.....	121 1/4	122
*Corn Products	.....42 1/4	42 1/4		*Tex Gulf Sul pf	.....	78 1/4	78 1/4
*Corn Products pf	.....123	125		Union Carbide	.....	78 1/4	163 1/4
*Davison Chem	.....41	41 1/4		*Un Drug	.....	163	163 1/4
*Davison Chem pf	.....37 1/4	38		*Un Drug 1st pf	.....	55 1/4	56
Dow Ch., pf	.....98	102		*Un Dyewood	.....	12	13
Dow Drug Co.	.....140	140		*Un Dyewood pf	.....	116	59 1/4
Dow Drug Co., pf	.....105	102		Un Gas Imp	.....	116	—
*DuPont Deb	.....101 1/4	102		Un Gas Imp pf	.....	58 1/4	—
*DuPont de Nem	.....235 1/4	236 1/4		U. S. Gypsum	.....	133	140
*Eastman Kodak	.....110 1/4	111		U. S. Indus Al	.....	74	75 1/4
*Eastman Kodak pf	.....110	116		*U S Indus Al pf	.....	104	—
*Freepet Tex	.....21	21 1/4		Va Car Ch	.....	1 1/4	2
*Gen Asphalt	.....67	67 1/4		Va Car Ch cfs	.....	1	1 1/4
*Gen Asphalt pf	.....105 1/4	108 1/4		*Va Car Ch pf	.....	9	10
*Gold Dust	.....47	47 1/4		*Va Vivaudou	.....	26 1/4	27 1/4
Grasselli	.....195	190		Will & Baumer	.....	17 1/4	—
Grasselli, pf	.....101	108					

*Listed on New York Stock Exchange

CHEMISTS' CLUB HONORS DR. NICHOLS

Dr. William H. Nichols will be the guest of honor at the annual dinner of the Chemists' Club, on Wednesday evening, Jan. 24. The Club plans to honor its past presidents during the year and has chosen Dr. Nichols as guest at the annual dinner.



DR. W. H. NICHOLS

Dr. Nichols is chairman of the Board of Allied Chemical and Dye Corporation. He was born in Brooklyn, Jan. 9, 1852, educated at the Brooklyn Polytechnic Institute and New York University. He received the honorary degree of LL.D. from Columbia and Pittsburgh Universities and Tufts College. Dr. Nichols was president of the General Chemical Co., from 1899 to 1907 and chairman of the Board from 1907 to 1920. He was also president of the Nichols Copper Co. He is a director in the Corn Exchange Bank. Title Guaranty & Trust Co., Granby Consolidated Mines and Read Phosphate Co. He is a member of the American Chemical Society, Hamilton, Downtown and Middy Clubs.

Foreign Trade Opportunities

The Department of Commerce, Washington, D. C., has received the following inquiries for drugs, chemicals and accessories. Reserved addresses may be obtained from the Bureau and its district and cooperative offices. Request for each opportunity should be on a separate sheet and state opportunity number. The Bureau does not furnish credit ratings or assume responsibility as to the standing of foreign inquirers; the usual precautions should be taken in all cases.

Ammonia, anhydrous carbonic acid gas, and methyl chloride	18478	Madrid, Spain	Agency
Celluloid, pyroxylin sheets	18473	Copenhagen, Denmark	Purchase
Chemicals, heavy, and chemical products	18459	Beirut, Syria	Agency
Chemicals, industrial	18475	Hamburg, Germany	Agency
Chemicals, industrial, naval stores, wood oil, and pigments	18477	Rotterdam, Netherlands	Agency
Oils, linseed, boiled	18472	Fuente Montt, Chile	Purchase
Rosin and caustic soda	18471	Tallinn, Estonia	Purchase
Pharmaceutical products	18476	Santiago, Chile	Agency
Pharmaceutical and medical specialties	18474	Berlin, Germany	Agency
Toilet articles and perfumes	18465	Do	Purchase
Ammonium sulphate	18533	Manila, Philippine Islands	Purchase
Arsenates of lead and calcium	18560	Lima, Peru	Purchase
Chemicals	18562	Brussels, Belgium	Agency
Chemicals, heavy	18561	Copenhagen, Denmark	Agency
Chemicals, industrial and fine	18555	Bombay, India	Purchase
Dyes, aniline	18561	Copenhagen, Denmark	Agency
Fertilizers, phosphate, and sulphur	18582	Hamburg, Germany	Agency
Glue	18558	Alexandria, Egypt	Agency
Lime, superphosphate	18553	Manila, Philippine Islands	Purchase
Paint, marine	18557	Alexandria, Egypt	Agency
Paints and varnishes	18622	Vojaraiso, Chile	Purchase
Rosin	18554	Milan, Italy	Purchase
Do	18556	Vienna, Austria	Agency
Cosmetics and pharmaceuticals	18550	Berlin, Germany	Agency
Pharmaceuticals	18562	Brussels, Belgium	Agency
Pharmaceuticals and perfumery	18539	Berlin, Germany	Agency

New Incorporations

Veratone Pharmacal Co., New York, \$50,000. H. C. Hand, R. K. Thistle, G. V. Reilly. Attys., U. S. Corporation Co., 120 Broadway.

Sweets Laboratories, New York, 2,000 common, no par. Make chewing gum. F. V. and C. L. Canning, J. O. Barker. Attys., A. A. Thomas, 136 W. 44th st.

Valerie Products Co., Brooklyn, N. Y., \$20,000. Toilet preparations. L. Alexander, E. Davis, H. Adelson. Attys., B. B. Turkus, 105 Court st., Brooklyn.

Henriz Co., Troy, N. Y., 100 common, no par. Chemicals. C. A. Stearns, C. H. Lytle, K. E. Humbert, W. K. Shyne, Troy.

Fairport Oil Co., Fairport, N. Y., 1,000 shares, \$100 each; 600 Class A common and 400 Class B common, both no par. Make paints and oils. H. A. Clum, F. J. Baker, A. E. Beck, Attys., H. N. Eddy, Rochester, N. Y.

Honeymoon Mfg. Co., New York, \$20,000. Candy. E. F. Frankel, W. C. Funk, D. Fishman. Attys., Frankel & Frankel, 350 Broadway.

Cola Bubble Co., Wilmington, Del., \$500,000. Soft drinks. Colonial Charter Co.

Bath Silk Co., Harrisburg, Pa., \$100,000. Manufacturers of silk fabrics. Jonas H. Frederick, treas., Allentown, Pa.

I. & P. Home Products Co., Brooklyn, N. Y., \$10,000. Chemicals and dyestuffs. R. C. Miller, Benj. Rasch, Celia Buchholtz.

Croyden Silk Fabrics Corp., New York, 900 shares, \$100 each; 9 common, no par. Textiles. A. H. and J. M. Weinberg, L. L. Bleyer. Attys., Bondy & Schloss, 276 5th ave., New York.

Wibson Brokerage, New York, \$5,000. Tallow and grease. J. F. and M. D. Kenny, L. P. Spiegel. Attys., Wellman & Wellman, 20 Broad st.

Eckroth Laboratories, New York, 500 common, no par. Chemicals. C. V. Eckroth, C. T. Krouse, W. N. MacLean. Attys., MacLean, Krouse & MacLean, 65 William st.

Dermay Perfumers, New York, \$100,000. J. E. and A. Baum, B. Shinder. Attys., Pellet, Fay & Rubin, 233 Broadway.

County Drug Corp., New York, \$50,000. P. and M. and L. Kossin. Attys., C. L. Raskin, 233 Broadway.

Chas. F. Slade Co., Buffalo, N. Y., \$50,000. Make flavoring extracts. F. S. and H. P. Breach, M. C., Inc. Attys., L. Tilden, Buffalo.

Federal Electric Chemical Co., Wilmington, Del., \$12,000,000. Manufacture. Corporation Service Co.

United States Cold Storage Corp., Wilmington, Del., \$9,399,000. Corporation Trust Co. of America.

Triangle Thread Mills, Inc., New York, \$100,000. Textiles. A. J. Rothstein, Edward Kaplan, New York. Belle Robins. 1440 Broadway.

H. Goodman & Sons, Inc., New York, \$200,000. Celluloid novelties. Henry Goodman, 4119 Sea Gate ave., Brooklyn, N. Y. Abraham Goodman and Jacob Goodman.

New Jersey Silk Dyeing Co., Inc., 934 Main st., N. Bergen, N. J. \$125,000. Dyeing materials of all kinds. Gustav Blaesser, Arthur W. Blaesser. Samuel Solomon.

Curley Barr Products Co., New York, \$20,000. Chemicals. J. J. Curley, J. Barrett, M. A. Cody. Attys., E. L. Perkins, 36 W. 44th st.

Butterfly Silk Co., New York, \$50,000. Textiles. H. and H. Reines, M. Fuchs. Attys., A. Bangser, 165 Broadway.

Frank F. Jackson, New York, \$100,000. Textiles. M. Singer, E. G. Adelman, M. Vogel. Attys., Eppstein, Axman & Hirschfeld, 175 5th ave.

General Pickling Works, New York, \$50,000. F. Grubauer, F. Havelena, J. A. Brown. Attys., T. Davis, 170 Broadway.

J. Melnetsky, Brooklyn, N. Y., \$200,000. Laundry. J. Melnetsky, B. Malamud, A. Shapiro. Attys., J. M. Mandelbaum, 1 Madison ave., New York.

Sunshine Purity Ice Cream Corp., Brooklyn, N. Y., 500 shares, \$100 each; 500 common, no par. H. Glaubman, V. and D. Guardino. Attys., J. A. Whitehorn, 188 Montague st., Brooklyn.

Dublin Products Corp., New York, \$10,000. Oil and soaps. A. Speelman, J. F. O'Neill, M. J. Elfenbein. Attys., L. Landes, 165 Broadway.

A Delaware charter has been obtained by the Consolidated Chemical and Manufacturing Company, which is authorized to engage in the production of chemical compounds. The capital stock is fixed at \$100,000.

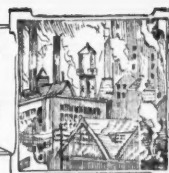
Th Chromium Products Corporation, to deal in ores, minerals, etc., has been incorporated under the laws of Delaware with a capital stock of \$1,000,000.

H. M. Hooker of Hooker Electrochemical Co., has sold his residence at Rye, N. Y., to John W. Greene for \$65,000.



Industrial Chemical

SECTION



If Tetraethyl Lead is Approved

Very Largely Increased Demand for Chlorine Will Result—Strengthening in All Chlorine Derivatives—Caustic Soda Might Become By-Product—Direction of Effect Upon Bromides is Uncertain—Sal-Ammoniac Price War Unlikely

Market conditions of several important chemical products will doubtless be seriously affected by the decision rendered by the government investigating committee that is now sitting in Washington on the future of tetraethyl lead. A decision as to whether tetraethyl lead should be permitted to be used in gasoline as a motor fuel or be banned for all time is expected to be rendered during the present month.

If this report is favorable, production of ethyl gasoline will be immediately undertaken on a large scale all over the world. This will mean a very heavy demand for bromine. In order to obtain sufficient quantities of bromine at a reasonable price it will be necessary to equip a fleet of ships similar to the "Ethyl" which will displace the bromine in the sea water by means of chlorine. This will create an exceedingly heavy demand for chlorine and the market for the past year has been very well balanced as to production and consumption.

Another large demand for chlorine will come from a large consumption of ethyl chloride which is used as a carrier for tetraethyl lead.

The very heavy demand for chlorine will in all probability have a marked effect upon caustic soda, as increased production of chlorine means more caustic soda. It seems likely that caustic is doomed to become the by-product instead of the major product with most producers, and prices on caustic might become unsettled. The intentions of chlorine producers to manufacture sal ammoniac might be abandoned and the anticipated price war in that market might be averted through the influence of tetraethyl lead. The effect on all chlorine derivatives, such as carbon tetrachloride, sulfur chloride, and bleach will be very noticeable.

The market condition of bromides will suffer a change although conflicting reports are heard. Manufacturers of tetraethyl lead claim that recovery from sea water is based on price consideration and that bromine produced by that method will cost two-thirds of the present market price of bromides. If this is so, bromides will doubtless weaken soon after ethyl gasoline is introduced. Other factors claim that the cost of producing bromine from sea water is twice the present market value of bromides, and, if this is the case, there is no doubt that bromide prices will advance sharply. The future of the market for bromides apparently depends entirely on the cost of recovering bromine from the sea, since tetraethyl lead will consume far more bromine than all other outlets. As recovery from the sea is perfected and costs decline, then the bromide market will decline.

Heavy Chemical Notes

Samuel M. Moneypenny has retired from active participation in the drug and chemical business. At the time of his retirement and for the past few years Mr. Moneypenny has been associated with H. J. Baker & Bro. in connection with their chemical department. After a service of 25 years with S. G. McCotter, Mr. Moneypenny joined Schoelkopf, Hartford & Hanna Co. On the death of Mr. Hartford, Mr. Moneypenny took over his duties, and a few years later the firm was incorporated as the National Aniline & Chemical Co.

British exports of caustic soda have been steadily growing during the last few years from 1,498,145 cwt., in 1913 to 1,763,013 in 1924. Figures for the whole of 1925 are not yet available but will probably be a trifle below those for 1924. Exports during the first ten months equaled those for 1913 and October showed an improvement over October of 1924.

Enormous quantities of potash salts of first-class quality in beds of a thickness of 80 feet are reported to have been discovered by testing operations which have been in progress in Stebnik, Poland, under the direction of a professor of Warsaw Mining Academy, the Department of Commerce is advised by the American consulate, London.

The American chemist is threatened by the foreign born chemist who is entering this country in violation of the immigration laws and working for less money than the native born citizen, according to "Industrial and Engineering Chemistry," the journal of the American Chemical Society.

The New York Section of the American Chemical Society will hold its regular monthly meeting at Rumford Hall, on Friday, Jan. 8 at 8 p.m. E. C. Bain, Union Carbide and Carbon Research Corp., will speak on X-rays; their use in research, and F. J. Metzger, of Air Reduction Co., will speak on Calcium Cyanide.

Weirton Steel Co., Pittsburgh, has awarded a contract to Koppers Co. for the erection of 49 new coke ovens. When completed, at a cost of \$2,250,000, the company will have 86 ovens with a daily output of 1,600 tons of coke.

Potash deposits recently discovered on the left bank of the Rhine are estimated at about 56,000,000 tons. The layers are about 200 or 300 metres deep and contain 24 to 27 per cent potassium chloride.

Sales of nitrates by the Anglo-Chilean Consolidated Nitrate Corp., during the months from June to October were 165,000 tons in excess of those for the corresponding period of 1924.

The Heavy Chemical Market

Chemical Current Spot Quotations for Heavy Chemicals, see pages 34-52

MARKET REMAINS QUIET BUT VERY FIRM

Makers and Importers Unwilling to Shade Prices—Active Demand Anticipated for Last Half of Month—New Schedule in Effect on Domestic Ammonium Chloride—Sodium Nitrate Up—Potassium Titanium Oxalate Advanced—Mineral Acids Occupy Strong Positions

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Pot'm. Titanium Oxalate, 4c lb.	Sodium Nitrate, 4c 100 lb.
Advanced	
Declined	
Am.m. Chloride, White Dom., 1c lb.	
Gray Dom., 5/8c lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial .lb.	\$11 1/2	\$11 1/2	\$11	\$11	\$19 1/2	\$7
Sulfuric Acid, 66 deg. ton	14.00	14.00	14.00	14.00	65.00	20.00
Ammonium Sulfate, 100lbs	2.95	2.95	2.95	2.75	7.50	2.65
Bleaching Powder, 100lbs	2.00	2.00	2.00	1.90	9.50	1.50
Copper Sulfate c/l. 100lbs.	4.40	4.40	4.45	4.65	20.00	4.60
Potash, Caustic, Imp. lb.	.07 1/4	.07 1/4	.07 1/4	.07 1/4	.87	.08
Soda Ash, 58 p.c. 100lbs.	1.94	1.94	1.94	1.94	3.50	.60
Caustic Soda, 76 p.c. 100lbs.	3.66	3.66	3.66	3.66	9.50	1.42
Potassium Bichromate .lb.	.08 1/4	.08 1/4	.08 1/4	.08 1/4	4.65	.06 1/4
Sodium Prussiate .lb.	.10	.10	.10	.10	1.25	.18

Average	2.923	2.923	2.928	2.927	10.79	2.99
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Industrial chemicals showed practically no variation as the new year opened. The new schedules on domestic ammonium chloride are now in force and the movement of supplies is very heavy. Shipping orders on mineral acids for this month are large and prices are firm. Imported products are in slight demand on spot at the moment although an active demand is anticipated about the middle of this month. Carbon tetrachloride is moving at the recent reduction and the market is very firm in all directions. Domestic manufacturers continue in a very optimistic frame of mind as regards business for the coming year and prices on the great majority of products are not expected to vary widely at any time. Tri-sodium phosphate is still in very heavy requests and prices are particularly firm in all quarters with some makers unable to offer any supplies outside of contract withdrawals. Crude sodium nitrate is now moving at higher prices for January.

Acetone—Market remains firm at unchanged prices. Production and consumption continue well balanced.

Acid Acetic—Firmness reported in all directions at the recent advance to \$3.24 100 lb for carlots of 28%; \$6.09 for 56%; and \$7.51 for 70%.

Acid Formic—Market is in a quiet state although consuming demand is of satisfactory proportions. Leading importers name unchanged prices on both grades.

Acid Lactic—Shipping orders in makers' hands for this month are of large proportions. No variation in prices is forecast at the present time.

Acid Muriatic—Strong market is reported owing to the sold up condition of chlorine makers. An advance would not be unlikely if additional demands should be placed upon chlorine makers.

Acid Sulfuric—Quotations are firm and unchanged in all quarters. An advance in the future seems likely owing to the recent advances in sulfur prices.

Alum Potash—Spot supplies are plentiful at unchanged prices. No change appears likely at the moment.

Aluminum Sulfate—Makers of iron-free material quote unchanged prices of \$2.00 100 lb. Imported material remains available at \$1.65@1.70 100 lb. Domestic makers quote commercial material at \$1.40 100 lb.

Ammonia Anhydrous—No business of any consequence is hanging over the market and therefore a quiet condition is reported. Ordinary sized lots are changing hands at unchanged prices of 13c@15c lb.

Aqua Ammonia—Market has been steady during the past week owing to the smallness of consuming interest and the unwillingness of makers to compete sharply for the small business that has been available. Quotations remain unchanged at 3c@4c lb as to quantity.

Ammonium Chloride—Domestic market is now lower due to the announced schedule of prices being in effect. Carlots of white material are quoted at 6c lb at works, and less carlots are named up to 7c lb delivered in Metropolitan district. Gray is quoted at 7c lb for carlots at works, and up to 8c lb for less carlots delivered. Imported prices show no change in any quarter and white is quoted at 5 1/2c lb, and gray at 6 1/4c lb.

Barium Salts—Chloride prices remain at \$60.00@62.00 ton on spot for imported. Domestic quotations are given at \$65.00 ton but competition is still being met in some instances. Carbonate is in a quiet condition at \$45.00 ton for spot material.

Calcium Acetate—Makers are firm at recent advance to \$3.25 100 lb and report stocks of small proportions.

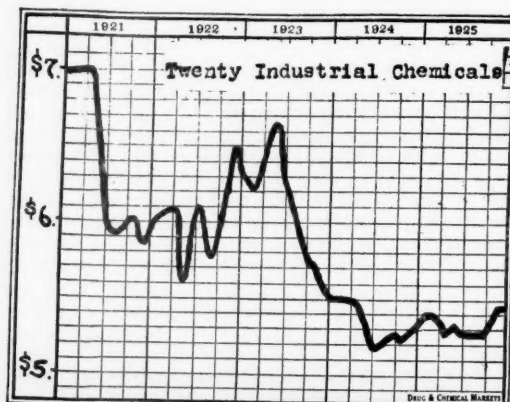
Carbon Tetrachloride—All makers report a heavy demand for supplies, and report prices firm at recent reduction to 6 1/4c lb for carlots of drums delivered.

Chlorine—Market is in a very firm condition in all quarters, and contract withdrawals are of increasing volume.

Copper Sulfate—Spot market remains in an easy state with carlots of large crystals obtainable at \$4.35@4.40.

Potassium Carbonate—Importers quote firm unchanged prices on all grades for both spot and shipment.

Potassium Chlorate—Importers and domestic maker quote steady prices in all transactions and report a heavy movement of supplies.



Potassium Prussiate—Market for imported and domestic products are quoted at unchanged prices in all quarters.

Potassium Titanium Oxalate—Importers name higher prices of 30c lb for offerings. Elimination of some factors from the field is responsible for the strong position of the market.

Sodium Cyanide—Quotations from domestic makers and importers are firm and unchanged in all transactions.

Sodium Nitrate—January prices are now in effect for crude material and consequently the market is higher at \$2.67 100 lb. Demand is very slight for prompt deliveries but firmness is apparent in all directions.

Sodium Triphosphate—Makers continue to report a very firm condition with some makers unable to offer spot supplies. Quotations are firm and unchanged at \$3.90 100 lb for carlots of barrels at works.

Tin Salts—Makers quote firm unchanged prices for January deliveries on bichloride, tetrachloride, and crystals.

PHILADELPHIA CHEMICAL PRICES FIRM

Heavy Acids, Pigments, Fertilizers and Coal-Tar Products Advance—Collections Good—Plant Operations Are Running About 80 Per Cent—Quotations on Textile Chemicals and Dyestuffs Decline

(Special to Drug & Chemical Markets)

Philadelphia, Jan. 6—The Federal Reserve Bank of Philadelphia reports that sales of crude methanol, acetate of lime, wool oils, charcoal, zinc, oxide, lithopone and coal-tar products reached fair proportions in December. The bulk of current buying is for prompt delivery. Future commitments for fertilizers are increasing. Contract withdrawals have improved considerably in the last thirty days and are now satisfactory. Plant operations in this district average about 80 per cent, the bank says. Stocks of both finished products and commodities are moderate, although, in a few instances, supplies appear to be heavy.

Prices are firm, advances being noted in heavy acids, pigments, fertilizers and coal-tar products. Quotations for textile chemicals and some dyestuffs have dropped slightly below last month's level. Sodas and bleaching powder are selling at about the same prices as four weeks ago.

A survey of drug conditions in December in the Third Federal Reserve District by the Federal Reserve Bank of Philadelphia, shows the activity in drugs continues at about the same rate as for the month of November.

Among the articles now selling most actively are pharmaceuticals, proprietary and patent medicines and holiday items. Prices are steady, and advances are noted in such products as essential oils, chemicals, denatured alcohol, bismuth salts, mercurials and oil of peppermint. Quotations for castor oil, however, have declined slightly. Collections are good.

William B. Albright, for twenty years a director of Sherwin-Williams Co., died recently at the home of his daughter in Cleveland. Mr. Albright who was seventy years of age had not been active in business for many years. He was a resident of New York City.

Nathaniel T. Bacon, chemist and writer of various works treating with chemical formulae, died at his home at Peacedale, R. I., on January 3. Mr. Bacon was for several years connected with the Solvay Process Co., Syracuse, N. Y.

HAMBURG QUOTES LOWER PRICES

Epsom Salt, Sodium Sulfide and Salt Cake Decline—Sodium Hyposulfite, Borax, the Potashes, Sal Ammoniac, Chlorate of Potash, Arsenic and Tartaric Acid Reported in Strong Demand—Barium Chloride and the Bromides Neglected

(Special Cable to Drug & Chemical Markets)

Hamburg, Germany, Jan. 6—Prices for heavy chemicals are lower, especially for Epsom salts, sodium sulfide and salt cake. Elbe shipping has reopened. A strong demand is reported for sodium hyposulfite, borax, the potashes, sal ammoniac, chlorate of potash, arsenic and tartaric acid.

Barium chloride and the bromides have been neglected.

Hamburg, Dec. 26 (By Mail)—Recent prices of heavy chemicals indicate that business is still unsatisfactory, lack of demand causing a decline in nearly all products. Some business was done in caustic potash, sodium hyposulfite, barium chloride, chlorate of potash, alum in pieces, silicate of soda, oxalic acid, carbonate of potash, sal ammoniac. Prices are lower on barium carbonate, Epsom salts, cyanides, bromides and dyes. The prices for bismuth were raised.

What makes business in Germany very dull is the poor condition of the textile market and the bad situation of the tanneries, and the general money stringency.

Quotations for some of the most important articles. The prices are in dollars per 100 kilos and in sterling per 1,000 kilos f. o. b. Hamburg: Ammonium carbonate lumps, £23 10s; barium carbonate precipitated 98-100% in bags, \$2.20; barium chloride 98-100% \$3.40; barium nitrate \$11, large quantities about \$10; potassium bromide \$60, U. S. P. goods; sodium bromide \$65; calcium chloride, 70-75% fused, £2 15s; Epsom salts, U. S. P., in 50-kilo kegs, £4 17s 6d; Epsom salts, commercial quality in bags, £2 15s; Glauber's salts, small crystals, commercial quality in bags, \$1.20; oxalic acid, crystals, 98-100%, £22 10s; caustic potash, \$13.25; potash alum granular, £6 12s 6d; potash alum, lumps, £6 17s 6d; chlorate of potash, powdered, \$16.60; red prussiate of potash, \$68; yellow prussiate of potash, £63 10s; carbonate of potash, 80-85% hydrated, \$9.40; permanganate of potash, small crystals U. S. P., £46; hyposulfite of soda, pea crystals, £10 10s in 50-kilo kegs; white granular sal ammoniac 98-100%, \$8.55; Yellow prussiate of soda, £37 10s; sodium sulfide, 60-62% fused in drums, £8 15s; sodium sulfide, 60-62% broken, £9 17s 6d; zinc chloride, 98-100% powder, £21 10s.

TETRALINE DUTY AT 20c Lb. AND 25%

(Special to Drug & Chemical Markets)

Washington, D. C., Jan. 6—Thirty days after the publication of a decision just rendered by Assistant Secretary of the Treasury, Andrews, tetraline will be assessed at a rate of duty of 20c per pound, and 25% ad valorem under paragraph 24 of the tariff act. It has been the practice at some ports, including New York, to classify this merchandise as a soap not specifically provided for at 15 per cent ad valorem under paragraph 82 of the tariff act. The Secretary in his decision says however that "the chemist's report shows that it contains 85 per cent of organic solvents, mainly trichloroethylene and alcohol, absolute alcohol by volume 6%, and 11½% of soap."

Applications for space at the Exposition of the Chemical Industry of Japan to be held at Tokyo from March 19 to May 17, will be accepted during January only.

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemical pages 34-52

PURE BENZENE WEAKENS TO 23c GALLON

Increased Output Brings Back Prices—Pyridine Firmer and Higher for Shipment—Naphthalene and Phenol Dull—Toluene and Xylene Remain Tight—Intermediates Quiet But Firm—Shipments for December Heavy—Dimethylaniline and Para-Nitroaniline Subject to Shading

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Pyridine, 20c gal.

Declined

Benzene, Pure, 1c gal.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, pure .....gal.	\$.23	\$.24	\$.24	\$.25	\$1.10	\$.25
Naphthalene flake .....lb.	.05¼	.05¼	.05¼	.05¼	.16	.03
Phenol Spot .....lb.	.22	.22	.22	.24	1.50	.08
Toluene .....gal.	.35	.35	.35	.26	—	—
Aniline Oil .....lb.	.16	.16	.16	.16	1.40	.10½
Alpha-naphthylamine .....lb.	.35	.35	.35	.35	1.28	..
Benzaldehyde .....lb.	.70	.70	.70	.70	—	—
Betanaphthol .....lb.	.24	.24	.24	.24	1.50	.08
Dimethylaniline .....lb.	.31	.31	.31	.33	1.30	—
Paranitroaniline .....lb.	.53	.53	.53	.66	1.68	.18
Average	0.315	0.316	0.316	0.324	—	—

Weakness continued in the pure benzene market and prices were lower in some directions with the market none too steady at the reduction. Supplies were beginning to back up and further accumulation appears likely. Offerings of 90% were more liberal and some shading of quoted prices is indicated. Toluene, solvent naphtha and xylene positions were unchanged and output was far from sufficient to fulfil the demand. The volume of these products is expected to be greatly increased as motor benzene contracts expire. Pyridine is very firm with shipment quoted higher. Naphthalene and phenol are quiet with prices on phenol rather soft. Cresylic acid continues to present a strong appearance but the spot market has not advanced materially.

Intermediates continue to move in a small routine way with prices firm and unchanged on the entire list. Shipments for December were very satisfactory in most directions. Some revisions in quotations appear likely for the present month now that contract business is settled. Manufacturers generally are very optimistic as to the coming year and anticipate firm markets with upward tendencies.

Crudes

Benzene—Market for pure benzene is noticeably weaker and prices are lower in some quarters. Offerings of 50,000 gallons are openly made at 23c gal. in tanks at mills, and lower prices have been done on contracts. Producers and distributors generally admit that the market for 90% benzene is higher than for pure. Quotations in many directions are given at 24c gal. for both pure and 90% in tanks at mills, but pure is weak at 23c gal., and 90% has been shaded to 23c gal. in some instances. Output at present is very heavy due to steel operations exceeding the war peak of 1917. Some curtailment in production

is likely if the anthracite strike is settled, but the increased recovery of toluene and other fractions with its resulting increased production of pure benzene is expected to overbalance this.

Cresylic Acid—Conditions show no change in any quarter. Shipment prices remain sharply above spot levels, but during the present month low-priced sellers are expected to be unloaded and spot prices are expected to reach shipment quotations.

Naphthalene—Spot situation is dull with quotations unchanged. Some contracts are being closed for Spring delivery with protection against price decline.

Phenol—Demand is of small proportions in most quarters. Prices are soft in some directions, but the market is fairly steady at 22c lb for large drums, and 24c lb for small drums.

Pyridine—Situation is much firmer and both spot and shipment prices are higher. Spot supplies are small and concentrated in a few hands and quotations range from \$4.35 to \$4.40 gal. Shipment is higher at \$4.05 gal.

Solvent Naphtha—No relief is in sight from the present tight situation. Quotations are nominal at unchanged figures in all quarters.

Toluene—Lack of supplies is still reported in all quarters. Output is expected to increase materially throughout the first quarter of the present year due to increased recovery from motor benzene. Prices are nominally unchanged.

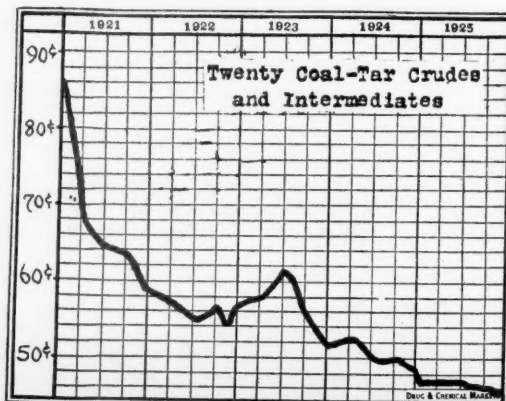
Xylene—Positions of the various grades are unchanged and distributors are unable to locate sufficient supplies to fulfill the demand. Nominal quotations are unchanged.

Intermediates

Acid Cleve's—Demand is slight but prices are firm and unchanged from all makers.

Acid Gamma—Market is in a steady condition with makers naming unchanged prices of \$1.30@1.36 lb as to quantity.

Acid N & W—Fair demand of routine character reported by manufacturers who quote firm unchanged prices in all transactions.



Aniline Oil—Market remains steady at unchanged prices and heavy shipping orders are reported to have been booked for the first quarter of the present year.

Beta-Naphthol—Market for single barrels continues firm at 24c lb in all quarters. Demand is of satisfactory proportions.

Dimethylaniline—Leading makers continue to name open quotations of 32c lb for carlots, and 33c@34c lb for less carlots. Competition remains sharp from smaller makers and as low as 30c lb for carlots is indicated.

Dinitrobenzene—Steady demand reported by makers who report nothing unusual in the situation.

Diphenyl-Amine—Supplies are moving to consumers in a steady volume with quotations firm and unchanged at 48c@50c lb.

Ethyl-Benzyl-Aniline—Market is in rather an unsettled condition due to sharp competition in some instances. Quotations show no variation from \$1.05@ \$1.10 lb as to quantity.

Meta-Phenylenediamine—Easy condition reported by makers who quote firm unchanged prices of 85c@90c lb in all transactions.

Meta-Toluylenediamine—Steady situation reported by makers who name firm prices of 73c@77c lb as to quantity.

Ortho-Nitrochlorbenzene—Slight routine demand reported in most quarters. Prices are firm and unchanged.

Ortho-Nitro-Toluene—Easy condition reported by makers and prices show no change despite the higher market for toluene.

Ortho-Toluidine—Ready outlet is being found for all available material with prices ranging up to 25c lb on single drums. The weak market for para-toluidine and the high toluene market give this product a strong upward appearance.

Para-Nitroaniline—While leading makers have not changed their quotations of 53c lb for single barrels of lake-makers' grade, the situation is unsettled and 51c lb has been done on many occasions by some makers.

E. I. duPont de Nemours & Co. have announced another vat color known as Pensol-Red Violet RRNX Paste. This product is exceptionally fast to light, washing, water, cross-dyeing, and chlorine, even in delicate shades, and is therefore suitable for production of violets and pale bluish pinks as well as in combinations for mode shades or for red component in olive drabs for army cloths. It dyes very evenly and is not affected by heat or moisture. This is the first time that this color has been manufactured by an American concern.

General Dyestuff Corp., have issued folders describing Indanthrene Yellow 3GF Double Paste and Powder which is a new addition to the Indanthrene series. The new vat dyestuff yields very clear greenish yellow shades of good all-round fastness. Exceptional fastness to washing, boiling soda, stoving, and chlorine are claimed as well as great resisting power to hydrogen peroxide bleaching.

The plant of the Pacific Cellulose Co. at Walnut Creek, Cal. is to be opened for operations again as soon as the services of a competent chemist can be secured, according to F. A. Marshall, a leading stockholder.

A syndicate composed of E. F. Hutton & Co., and Harvey Fisk & Sons, both of New York are offering 600,000 depository receipts of Snia Viscosa of Turin, Italy, manufacturers of artificial silk and artificial wool.

COAL TAR CHEMICAL EXPORTS SMALL

Anilin Oil and Salts, However, Amounted to 210,000 Pounds, Valued at \$41,000

The coal-tar chemical exports of \$446,000 for the month of November, 1925, which were the smallest for the year were nevertheless 2 per cent above those of November, 1924. Aniline oil and salts, exports of which are never large, were conspicuous this month on account of the unusually large amounts, 210,000 pounds, valued at \$41,000 for the month. Although coal-tar colors, dyes, and stains increased 45 per cent in quantities shipped to 1,840,000 pounds for the month of November, 1925, they declined 21 per cent in values to \$402,000.

The imports of coal-tar chemicals reflected a 39 per cent loss and equalled \$1,236,000. Dead or creosote oil continued to be the most important item of the group accounting for 80 per cent of the total or 7,722,000 gallons, \$997,000.

MOTOR BENZOL HELD DUTY FREE

(Special to Drug & Chemical Markets)

Washington, D. C., Jan. 6.—Imported motor benzol is to come into the United States free of duty under paragraph 1516 of the Tariff Act of 1922, according to a decision just made public by Assistant Secretary of the Treasury L. C. Andrews. The Secretary in announcing this decision to the Collector of Customs in Baltimore says in part:

"As it appeared from hearings held upon the subject that it was impracticable to determine definitely by analysis whether the fuel oil was a product of coal tar products mixed with petroleum products, the Department deemed it advisable to have an investigation made at the works of the Corporation producing this motor fuel. As a result of the investigation it appears that this motor benzol which is manufactured by the British Empire Steel Corporation, Ltd., Sydney, N. S., is produced solely from unmixed coke oven gas which is the product of decomposed coal in coke ovens and that no petroleum oil or other substances are used to produce the gas from which the motor benzol is recovered by absorption in an inert absorbing oil.

"The investigation further developed the fact that the Corporation does not manufacture water gas and does not "crack" petroleum oils in any way whatsoever, and that if any paraffin compounds are found in this motor benzol they are such as are formed from the coal in the coke ovens under the temperature and other conditions prevailing in the coking process."

Prices of New England mill stocks have suffered a decline at the public auctions. However, leading factors in the textile industry in their first of the year discussions of the outlook, speak very encouragingly of the prospects for the textile industry. And furthermore there are several instances where mill operation has been noticeably increased in the past few weeks.

Industrial Rayon Corp. has completed the 50% addition to its Cleveland plant and will start work in the next 30 to 60 days on one of the two new plants which it contemplates building. It is expected that one will be located in New England and one in the South.

Max Marx Chemical & Color Works, 192 Coit Street, Irvington, N. J., has broken ground for a new two-story plant to cost \$50,000, including equipment.

Chemical Products Co., of America has obtained authority under its Delaware charter to change its name to the Whick Chemical Products Co., of New York.

The Oil Market

Current Spot Quotations on Oils, Greases, page 53

PRICES ON OILS GENERALLY STRONGER

Coconut Oil Higher—Cottonseed Oil Up Sharply—Palm Kernel Oil Strong—Palm Oil Shaded—Olive Oil Advanced—Foots Slightly Lower—Chinawood Oil Easier—Linseed Oil Doubtful—Brown Grease Up—Neatsfoot Oil Higher—Stearine Sharply Lower—Tallow Oil Shaded

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Coconut Oil, ½c lb.	Lard Oil, Edible Prime, ½c lb.
Corn Oil, Crude, ¼c lb.	Neatsfoot Oil, 20° c.t., 1c lb.
Cottonseed Oil, Crude ½c lb.	Pure, ½c lb.
P. S. Y. ¾c lb.	Olive Oil, Denatured, 2c gal.
Grease, Brown, ¼c lb.	Palm Kernel Oil, ¼c lb.
Declined	
Stearine, Oleo, 2½c lb.	Olive Oil Foots, ½c lb.
Tallow Oil, bbls., ¼c lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N Y .....gal.	\$.70	\$.70	\$.64	\$.58	\$ 1.26	\$.26½
Degras American, bbl. lb.	.04½	.04½	.04½	.04½	.23	.03½
Lard No 1 .....gal.	.91	.91	.96½	1.02	2.90	.92
Menhaden, crd tks .....gal.	.55	.55	.55	.60	1.20	.33
Neatsfoot, 20 deg c t. gal.	1.27½	1.27½	1.27½	1.29	8.45	.95
Red Oil distilled .....lb.	.11¾	.11¾	.11¾	.11¾	.17	.07
Stearic, Acid, T P .....lb.	.18	.18	.18	.16	.33	.12
Coconut, Ceylon, tks .....lb.	.10½	.10½	.12½	.11½	.30	.14
Cottonseed crude, tks .....lb.	.08½	.08½	.09	.09½	.25	.08
Linseed crude .....gal.	.90¾	.90¾	.95	1.15	1.85	.57
Olive, denatured .....gal.	1.23	1.23	1.23	1.30	4.50	1.05
Peanut, refined .....lb.	.15	.15	.15	.16	.30	.08
Soya Bean bbls .....lb.	.13¾	.13¾	.13¾	.13¾	.19½	.07
Average	4.91	4.91	4.95	5.21	5.92	1.56

Marked improvement in prices of fatty oils was evident as the new year opened although trading was very light. Coconut oil was decidedly firmer and prices advanced slightly. Palm kernel oil presented a firmer tone, although palm oil sagged slightly. Low-priced sellers of olive oil were practically eliminated and the market was higher. Cottonseed oil advanced sharply when short interests attempted to cover their commitments, and crude oil was in a very strong position. Linseed oil continued in a weak state due to the large Argentine crop and consumers were apparently waiting a further break or some signs of an advance before covering their requirements. Crushers were of the opinion that lower prices were not unlikely, but that the market was far from high at the present time.

Animal oils and fats were for the most part maintained at former levels. Tallow was unchanged, but tallow oil was slightly easier. Greases were in good demand and quotations were firm. Edible lard oil was advanced on an active demand. Considerable strength was noted in some grades of neatsfoot oil and prices moved up. Fish oils were quiet but firm with stocks not too great to cause any anxiety.

Vegetable Oils

Castor Oil—Crushers report a continued slight demand and usual shading of quoted prices is possible in some quarters.

Chinawood Oil—Market is slightly easier as regards tanks at the Pacific Coast and shading of quotations by ¼c lb was indicated. Otherwise leading importers continued to control the situation and business was passing at recent prices.

Coconut Oil—Market is in a much firmer condition although consuming interest at the moment is very slight. Importers are very certain that supplies in consumers' hands are small and have advanced quotations in anticipation of heavy buying during the last half of January. Ceylon oil is firm at 11c@11½c lb for tanks at New York, and 12c@12½c lb for barrels. Cochin oil is named at 11½c lb in tanks at New York, and 12¾c@13c lb in barrels. Manila oil is offered at 10¾c@10¾c lb in tanks at New York, and 11½c@12½c lb in barrels. Edible oil is firm at 13½c@14c lb.

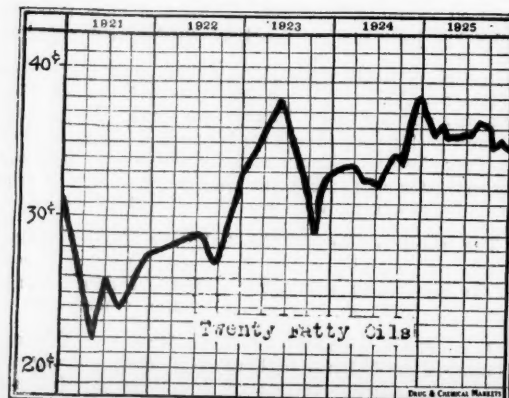
Corn Oil—Crude oil in tanks at mills is higher with bids of 9¾c lb rejected. Refined oil is in strong position although quotations are at present unchanged.

Cottonseed Oil—Covering of commitments by short interests during the week caused prices to advance sharply in both crude oil and prime summer yellow. Crude oil was bid this week at 9¾c lb. Spot prime summer yellow was held at 11c lb. Futures were quoted as follows: Jan. 20.9c lb bid, 10.94c asked; Feb. 10¾c bid, 10.9c asked; March 10¾c bid, 10.76c asked; April, 10.78c bid, 10.85c asked; May, 10.92c bid, 10.93c asked; June 10.97c bid, 11.05c asked; July 11.12c bid, 11.13c asked; Aug. 11.18c bid, 11.22c asked.

Linseed Oil—Consuming interest has been at a standstill during the week and quotations from crushers have shown no change. Carlots of barrels on spot or for shipment through April are offered openly at 12.1c lb. The large Argentine crop has depressed the market and consumers are apparently awaiting a further break or some display of strength before covering requirements. Crushers are of the opinion that present prices are close to bottom. London quotes oil at 33s 6d; and Antwerp names 345f. Seed markets opened this week at following prices: Winnipeg May \$2.32@2.32½; July \$2.33½; Duluth Jan. \$2.51; Feb. \$2.51½; May \$2.58; July \$2.55¾ bid; Minneapolis May \$2.58½@2.60; Buenos Aires Feb. \$1.73.

Olive Oil—Low-priced sellers of denatured oil are practically unloaded and nothing is obtainable under \$1.25@1.30 gal. on spot. Edible oil prices show no variation.

Olive Oil Foots—Market for spot material is slightly



easier and goods are obtainable at 8½¢@9¢ lb. Shipment is firm at 9¢@9¼¢ lb. Some spot goods changed hands recently at still lower prices but this is no longer possible.

Palm Oil—Niger oil has been shaded by leading sellers on spot and quotations are given at 8½¢@8¾¢ lb with very slight demand at these figures. Lagos oil prices have been firmly maintained at recent figures.

Palm Kernel Oil—Market is firmer with casks quoted at 10½¢ and barrels at 10¾¢ lb.

Rapeseed Oil—Market is quiet but importers are quoting firm unchanged prices in anticipation of an improved demand.

Animal Oils

Greases—Brown grease is higher at 8¾¢ lb. Other grades are quoted firmly at unchanged prices.

Lard Oil—Edible prime has been advanced to 17½¢ lb. Makers quote firm unchanged prices on all other grades.

Neatsfoot Oil—Makers have advanced quotations sharply on 20° c. t. and name 19¼¢ lb. Pure oil is also higher at 16¼¢ lb. Other grades remain firm at recent prices.

Stearine Oleo—Makers name sharply lower prices of 12¼¢ lb for their offerings.

Tallow Oil—Barrels are quoted at slightly lower prices of 12¾¢ lb for carlots.

Fish Oils

Cod Oil—Demand from consumers is of small routine volume but prices are being firmly maintained at recent figures in all directions.

Menhaden Oil—Quotations show no variation in any quarter although demand at the moment is slight.

OLIVE OIL DECLINES IN ITALY

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Genoa, Italy, Dec. 26—The demand for olive oil for export is small and prices have fallen as a consequence of the lower value of the lira. Quotations are as follows per 100 kilos:

Riviera Ponente fine new, lire 970 to 980; Bari extra, lire 1,040 to 1,050; Bitonto extra, lire 1,100 to 1,120; Mol-fetta extra, lire 1,090 to 1,110; Calabria extra, lire 950 to 1,000; Sardegna fine, lire 950 to 1,000; Toscana fine, lire 1,000 to 1,100; Lecce fine, lire 950 to 1,000; Abruzzi fine, lire 980 to 1,000; refined olive oil, lire 1,000 to 1,025.

Quotations for foreign olive oils, c. i. f. Genoa, are as follows per 100 kilos: Tortosa olive oil, pesetas 285 to 290; Aragona olive oil, pesetas 280 to 285; Borjas olive oil, pesetas 270 to 280; Andalusian olive oil, pesetas 245 to 250; Malaga olive oil, pesetas 220 to 225; refined Spanish olive oil, pesetas 245 to 250; Tunis olive oil, first quality, francs 825 to 850; second quality, francs 700 to 820. The dollar is quoted at lire 25.75, Pound sterling at lire 123.85.

Most Italian oils for producing soaps have been reduced in price. Quotations at Genoa are as follows per 100 kilos: Green olive oil, 440 to 445 lire; Lagos palm oil, 510 to 515 lire; bleached palm oil, 550 to 560 lire; Ceylon coconut oil, 580 to 600 lire; bone grease, 500 to 510 lire; English tallow, 550 to 560 lire; raw linseed oil, 570 to 580 lire; boiled linseed oil, 580 to 590 lire; colza oil, 715 to 720 lire; denatured colza oil, 645 to 670 lire; English castor oil, 660 to 670 lire.

James J. Carroll has resigned from Baker & Gaffney to resume his former position in the Philadelphia office of Ellis Jackson & Co.

SUMATRA PALM OIL TO INCREASE

Extensions of oil palm cultivation in Sumatra, announced to take place or already begun, make it apparent that the exports of palm oil from this island will increase greatly in the course of a few years.

In 1925 the productive area will have extended to about 5,120 hectares (the "planting" figure of 1919), and this productive area will then approximately consist of 3,800 hectares trees of 8 years and older, 650 hectares trees between 7 and 8 years old, and 750 hectares trees between 5 and 6 years old.

This should result in a total production of fully 8,000 tons of oil and kernels. For following years the figures will be:

	Tons
1926	10,200
1927	12,300
1928	17,200
1929	22,000
1930	26,600
1931	32,000
1932	37,000
1933	38,000

After 1931 the large plantations of the Handelsvereening 'Amsterdam' of which no account has hitherto been taken, will also become productive. According to reports this area will comprise some 15,000 hectares and will be in full production by 1934. It should produce then 30,000 tons, which will bring the total production up to at least 70,000 tons, not taking into account all extensions made in 1925 and the following years.

The present area under oil palms is located as follows: 10,300 hectares in the Asahan district, or 54%, 3,200 hectares in the Acheen districts, or 17%, 5,500 hectares in the hinterland of Belawan, or 29%.

The expected production of 70,000 tons will be distributed in the following manner: 42,000 tons directly shipped from Belawan; 20,000 tons from Asahan, transhipped at Belawan, and 8,000 tons from Asahan, transhipped at Belawan. It is, of course, possible that technical difficulties may occur, making it desirable to direct the production of some parts of Asahan straight to Belawan as well. In this connection we refer to our previous news relating to shipment in bulk instead of in barrels or drums, which experiments are being crowned with success up so far.

PAINT AND VARNISH EXPORTS GAIN

Pigments, paints, and varnishes exported in November showed the largest gain—34 per cent—having attained a total valuation of \$1,579,000 for the month of November, 1925. Taking the values alone, the exports of white lead was the one item of the group to drop. Foreign sales of mineral earth pigments equalled \$75,000 (1,952,000 pounds), and of chemicals pigments, \$309,000 (3,666,000 pounds). Carbon, bone, and lamp blacks continued the favorable trade evident in the past few months and amounted to \$357,000 (4,308,000 pounds). However, the outstanding incident of the paint trade was the size of the shipments of enamel paints which were higher than the average and doubled those of the previous November having equalled \$100,000 (266,400 pounds). Exports of varnishes were 89,000 gallons, valued at \$169,000. The imports of the group representing one per cent of the entire chemical imports were smaller than usual with \$202,000 worth having been received.

Palm kernel oil imports advanced very sharply during 1925 to 42,901,827 lb, valued at \$3,773,024 for the first ten months ending October; against 2,599,462 lb, valued at \$231,049 for the same period of 1924.

Miscellaneous Raw Materials

Heavy Chemicals 34-52, Tan and Dyestuff 34-52, Fatty Oils, 53

MARKET CONTINUES GENERALLY QUIET

Trading in Most Cases Remains of a Hand to Mouth Nature—Price Changes Few and of Relatively Minor Importance—Tanning Materials Quiet—Casein Advanced—Rosins Show Recovery

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Acid Phosphate, 2½c unit	Rosin: B, F, 40c 280 lb.
Antimony, 2½c lb.	D, E, 35c 280 lb.
Casein, ½c lb.	G, H, 30c 280 lb.
Sodium Nitrate, 3c 100 lb.	I, 25c 280 lb.
Tin, ¾c lb.	K, M, 10c 280 lb.
Declined	
Copper, Electrolytic, ½c lb.	Myrobalans, J2's, \$2.00 ton
Sumac Extract, stainless, ½c lb.	

Trading in the consuming markets has been affected as other markets have this week and buying has been almost entirely such as was necessary to cover actual current needs only. On such a market prices changes are naturally few and most of those that have occurred are of relatively minor importance. The tanning industry is quiet as it has been for some time, although some promise is seen of improvement in the near future. The textile trade is in better shape than it was a year ago. Paper, rubber, glass and lacquer trades are all operating well, and in some cases at full capacity. Fertilizer manufacturers are not buying at all now and prices for their raw materials are unchanged with the exception of acid phosphate and sodium nitrate both of which advanced to new schedules with the first of the year. Naval stores seem to be recovering some of the former activity and prices have generally advanced there again. Antimony advanced sharply with other metals quiet.

ACCELERATORS

Although competition is rather sharp in diphenylguanidine, all makers give open quotations at unchanged figure of 95c@98c lb. Triphenylguanidine is fairly steady at 69c@73c lb. Hexamethylene is unchanged at 80c@82½c lb. Diortho-tolylguanidine remains at \$1.10 @ \$1.13 lb as to quantity.

ALBUMENS

Blood—Scarce with prices at present unchanged. An advance soon is predicted in some quarters.

Egg—Political conditions in China bid fair materially to curtail this season's crop. Present spot conditions are firm but unchanged. Yolk is also firm.

Vegetable—Moving well at steady prices.

CLAYS AND FILLERS

Barytes and Blanc Fixe—Moving steadily at unchanged prices.

China Clay—Contracts are being placed at steady prices with spot business normal and quiet.

Whiting—This item shows some weakness but prices have shown no further change.

Talc—No change is shown by this product with prices steady.

COLORS AND PIGMENTS

Market remains in an unchanged condition in all directions. Prices are rather firm but continue at low levels due to continued sharp competition among makers.

Chrome yellows are quoted at 17c@18c lb; chrome greens at 26c@36c lb as to shade; iron blues at 31c@33c lb. Toners are steady with para-toner at 85c@90c lb as to seller; lithol-toner at 85c lb; and toluidine-toner at \$1.80 lb. English vermilion is named at \$1.45@1.50 lb. Carbon black is very firm with most makers quoting higher prices of 9c lb for carlots of bags at works, and 13c lb for cases spot.

DYE AND TAN WOODS

Divi Divi—No change is seen in this item with buying quiet.

Logwood—Prices unchanged and firm with demand routine.

Myrobalans—J2's lower at \$35 ton with R's at \$34, demand is very quiet.

Sumac—Offerings were heard on spot material during the week, but they were soon absorbed. Prices show no real change.

Valonia—Prices unchanged with little buying in evidence.

Wattle—No change is seen in this market.

EXTRACTS

Archil—Fair demand is seen with prices steady.

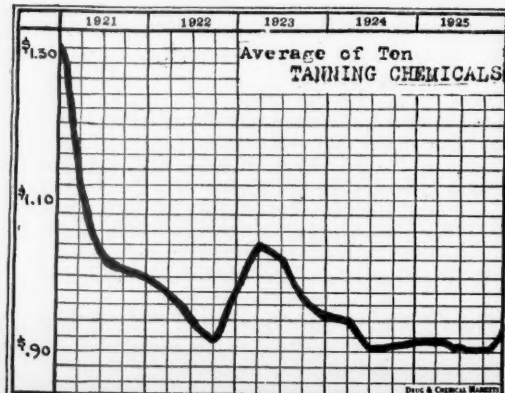
Chestnut—Moving at unchanged prices with routine demand showing.

Logwood—Firmness is seen, due to condition in market for sticks. Demand quiet.

Leather Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre War
Acid, Acetic, 28%	\$3.24	\$3.34	\$3.12	\$3.12	\$17.00	\$1.50
Acid Formic, 90% .....	.10½	.10½	.10	.11½	1.50½	.07
Acid, Lactic, 22% dark ....	.05½	.05½	.05½	.05½	.07	.02
Potassium Bichromate ....	.08¼	.08¼	.08¼	.08¼	.65	.06¼
Epsom Salt, tech.	1.70	1.70	1.70	1.70	3.75	1.00
Sodium Prussiate .....	.10	.10	.10½	.10	1.25	.18
Soda Ash, 58% wks.	1.38	1.38	1.38	1.38	4.10	.69
Sodium Bichromate .....	.06¼	.06¼	.06¼	.06¼	.45	.04¼
Sodium Hyposulfite, pea. .	2.50	2.50	2.50	2.50	3.75	1.80
Sodium Sulfide, 60% wks. .	.04	.04	.03¼	.03¼	.10¼	.02¼

Average 0.928 0.928 0.916 0.926 3.267 0.528



Quebracho—No change is seen in this market with prices firm and steady.

Sumac—Stainless is now available at 10½¢@10¾¢ lb with other grades unchanged.

FERTILIZERS

Trading remains practically at a standstill and prices show little change. Organic ammoniates are unchanged with no demand at present. Acid phosphate has been advanced with the beginning of the year to 62½¢@65¢ unit f. o. b. works. Very little ammonium sulfate is offering for shipment. Sodium nitrate is now passing on the January schedule of \$2.67 with all other items unchanged.

INSECTICIDES AND FUNGICIDES

Market remains very quiet and prices continue at nominal figures in absence of buying. Stocks of calcium arsenate in manufacturers' hands are greater than the total consumption of the past season. Some makers are doing business on arsenate at 6¢@6½¢ lb. Other products show no change in prices.

METALS

Antimony advanced sharply to still new higher levels during the week and is quoted at 24½¢@25¢ lb. Copper was quiet and electrolytic was lower at 14¢@14½¢ lb, while Lake held at 14½¢@14¾¢ lb. Lead is named at unchanged prices of 9¼¢ at New York, and 9.1¢ lb at East St. Louis. Silver is unchanged at 68½¢ oz. Tin is slightly higher at 63¾¢ lb. Zinc is firm at 9¢ lb at New York, and 8¾¢ lb at East St. Louis.

NAVAL STORES

Rosins—Medium and common grades regained some of their recent losses during the week and holders of

spot stocks name: B \$14.00; D \$14.05; E \$14.10; F, G, \$14.25; H, I \$14.30; K \$15.45; M \$15.70; N \$16.10; WG \$16.40; WW \$16.60.

Turpentine—Prices advanced sharply over the week in sympathy with a stronger tone in primary markets. Spot lots of spirits are offered at \$1.03@1.06 gal. as to quantity.

(Special Correspondence to DRUG & CHEMICAL MARKETS)

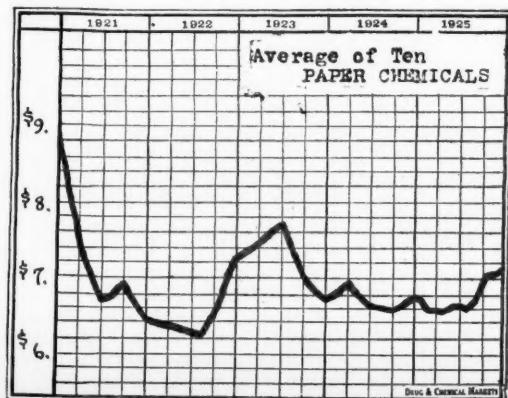
Savannah, Ga., Dec. 31—Turpentine closed firm at 95¢ gal., an advance of 2¢ over last week. Prices are expected to advance further during the coming week as considerable interest is now being displayed in the market. Stocks are fairly liberal but are firmly held. Demand for the next three months is expected to be far in excess of the small receipts. Receipts for week were: 1,285 bbls., stocks on hand total 14,072 bbls.

Rosins closed firm at higher prices over last week's closing on medium and common grades. Further steady gains in prices are anticipated for the balance of the present month. Fine grades show no variation in prices, and remain at the same figures that have held for over two months. Shipments have been declining, but are now showing some improvement. Closing quotations were: B, \$12.05; D \$12.15; E \$12.40; F \$12.50; G, H, I, \$12.55; K \$13.90; M \$14.20; N \$14.60; WG \$14.90; WW, X, \$15.10. Receipts for week were 5,733 bbls.; stocks today total 90,754 bbls.

Jacksonville, Fla., Dec. 31—Turpentine closed firm at 94¢ with all offerings sold. Demand is increasing and prices are tending upward. Rosins closed firm at following prices: B, D \$12.25; E, F, G, H, I, \$14.55; K \$13.85; M \$14.10; N \$14.60; WG \$14.90; WW, X \$15.10. Stocks of 306 bbls. were carried over, the above prices being refused. Stocks of turpentine total 25,255 bbls.; rosins 100,906 bbls.

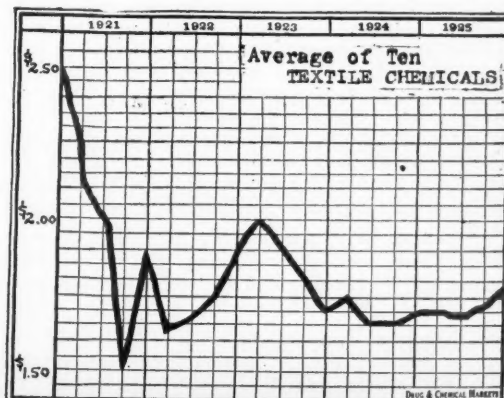
Paper Chemicals

	Last Today	Last Week	Last Month	Last Year	War Peak	Pre- War
Aluminum Sulfate	\$2.00	\$2.00	\$2.00	\$2.00	\$5.00	\$1.50
Bleaching Powder	2.00	2.00	2.00	1.90	9.50	1.50
Casein .....	.13	.12¾	.12¾	.10¾	.28	.20
China Clay, Dom.	10.00	10.00	10.00	10.00	25.00	8.00
Chlorine c/l Cyl. ....	.05½	.05½	.05½	.05½	.50	.08
Salt Cake	19.00	19.00	19.00	19.00	80.00	11.00
Sodium Silicate, 40% ..	.80	.80	.80	.80	1.75	2.00
Soda Ash, 58% wks.	1.38	1.38	1.38	1.38	4.10	.69
Sulfur	20.00	20.00	18.00	18.00	65.00	20.00
Rosin F grade	14.25	13.89	14.50	7.95	4.50	20.25
Average	6.962	6.936	6.432	6.159	13.50	5.50



Textile Chemicals

	Last Today	Last Week	Last Month	Last Year	War Peak	Pre- War
Acid, Acetic, 28%	\$3.24	\$4.40	\$3.12	\$3.12	\$17.00	\$1.50
Acid, Oxalic .....	.10¾	.10¾	.10¾	.10¾	.70	.70½
Bleaching Powder	2.00	2.00	2.00	1.90	9.50	1.50
Copper Sulfate	4.40	4.40	4.45	4.70	20.00	4.50
Epom Salt, USP	2.15	2.15	2.15	2.15	4.25	1.50
Glauber's Salt	1.25	1.25	1.25	1.25	2.50	.80
Potash, Caustic, Imp. ....	.07½	.07½	.07½	.07½	.87	.12
Soda Ash, 58% wks.	1.38	1.38	1.38	1.38	1.10	.69
Soda Caustic, 76% wks.	3.10	3.10	3.10	3.10	0.50	1.80
Sodium Bichromate .....	.06¾	.06¾	.06¾	.06¾	.45	.04¼
Average	1.761	1.761	1.744	1.784	4.8008	1.25



STARCHES, DEXTRINS AND SIZES

Trading is quiet with little change of importance seen. Corn products are unchanged, amber sorts firm and steady, glues and gelatins quiet. Casein is very firm with the price advanced to 13c@14c lb. Other materials show no change.

EXPLOSION DAMAGES TURPENTINE PLANT

(Special to Drug & Chemical Markets)

Pensacola, Fla., Jan. 6—By the explosion of a retort at the plant of the Newport Tar and Turpentine Co., on Jan. 2, damage of more than \$100,000 was caused. The plant comprised fifteen buildings, but the explosion wrecked only one unit where 22 men were working. Twelve men were killed and ten hurt. Other units containing residue material caught fire, but the flames were kept under control.

CZECHOSLOVAKIA INCREASES TAR OUTPUT

The production of wood tar and pitch in Czechoslovakia is increasing. At the present time the quantity of wood tar produced is practically equal to the domestic consumption, and the production of pitch is all consumed in the brewing industry. A considerable amount of pitch is imported, writes James F. Hodgson, Prague, commercial attache.

The production of pine tar is estimated by the Government Statistical Office at 5,000 metric tons annually. More accurate data on the production of this commodity are not obtainable, since a large part of the production is by individual forest owners and not by companies engaged in the industry. Estimates of the production of pitch are not obtainable from the Government Statistical Bureau, but it is safe to state that the production of pine pitch is less than 4,000 metric tons per annum.

Inyo Chemical Co., Reno, Nevada, has entered a suit in the Superior Court, San Francisco, against Industrial Research Co., Henry W. Carr, until recently president of Inyo Chemical Co., and the principals of the Industrial Research Co. The suit is for the control of patent rights and formulas, for which it is alleged that Carr obligated the Inyo Co. for large royalties to the Industrial Co., in which he had an interest at the time that he was an official of Inyo. Carr is charged with having made a number of contracts while he was president of the chemical company which were unprofitable for it, but highly profitable to the research company. It is stated that millions of dollars are involved.

Cyanamid produced by the state plant at Chorzow, Polish Upper Silesia, is gaining in popularity throughout that country. During the period from October, 1924 to March 30, 1925, the total consumption of cyanamid in Poland amounted to 39,500 tons out of which 31,000 tons were consumed by former Prussian Poland alone, the remainder being disposed of in Congress Poland and Galicia. During the same period 5,750 tons of cyanamid were exported. The demand for cyanamid in Congress Poland and Galicia is increasing. It is used mostly for vegetables and tubers.

West Coast Fertilizer Co., Tampa, Fla., is said to be planning for the re-building of its local plant, recently destroyed by fire with loss reported at \$150,000, including equipment.

Three thousand tons of creosote were recently landed at Seattle, Wash., from the British tank steamer San Patricio.

DETERMINE WOOD CHEMICAL COSTS

(Special to Drug & Chemical Markets)

Washington, D. C., Jan. 6—The Tariff Commission, in its annual report, calls attention to the fact that it instituted a methanol investigation in July, 1925.

"Methanol has long been produced in the United States," says the Commission, "on a large scale as a joint product in the destructive distillation of hardwood. In addition to methanol, the main products are the residue-charcoal and acetate of lime." The report continues further along this line:

"The industry in recent years has met competition on acetate of lime through acetone and acetic acid which are made of it. Acetone has been supplied in large quantities as a by-product in the production of butyl alcohol by fermentation processes which have been conducted on a large scale by a domestic corporation in Indiana. This competition has greatly depressed the price of acetone in recent years. Synthetic acetic acid developed on a large scale during and since the war in Canada and in Europe has resulted in a curtailment of domestic exports of acetate of lime." Discussing the work done on the methanol investigation up to the time the report was written the Commission continues: "The domestic field work to secure production costs was started early in August and completed during the middle of October. Costs were secured for 49 domestic plants representing about 90 per cent of the entire industry based on the quantity of wood carbonized. The domestic costs have been tabulated. A detailed study was also made of imports of methanol to determine the average price, landed in the United States."

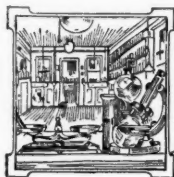
INCREASING CHEMICAL IMPORTS BY JAVA

The outlook for chemicals in Java is particularly favorable at present, which to a considerable extent is brought about by agricultural industries requiring large quantities both for fertilizers and for combating plant diseases and pests.

During the War, Japan tried to capture this market, but it has now come back to Europe, although the United States is, in some instances, among the chief suppliers. Great Britain is consolidating her position, and Germany is slowly regaining its pre-war trade in the line. With a general revival and a commencement of activities in agricultural and industrial enterprise, it is certain that nearly all chemical imports by Java will show big increases at the end of the current year and it is advisable for American manufacturers to keep a careful watch on the market.

For use on plantations there is always an excellent demand for insecticides. These are used in almost unlimited quantities and the market for them is immense. Arsenate of lead is very widely used on tobacco estates, and exporters of this chemical will find that considerable quantities can be disposed of both in Java and Sumatra. Two per cent of arsenate of lead with 0.3 per cent green soap is used as a sprinkling mixture and is found to be particularly effective when dealing with caterpillar pests. The demand for other insecticides is also excellent.

It is claimed that metallurgical experts of a steel plant in Wetzlar, Germany, have produced a metal alloy almost as hard as the diamond and holding its cutting power longer. The alloy consists of a fused mixture of metallic tungsten and tungsten carbides.



Drug & Fine Chemical

SECTION



Close Control Has Stabilized Camphor

Restrictions of Japanese Government Have Held Market to Small Fluctuations—Only One Change By American Refiners During 1925—Still Subject to Local Speculative Activity

From ranking as a highly speculative article with rapid and rabid fluctuations in price, camphor has calmed down to one of the stable and staple articles of commerce in medicinal raw materials. Wild stories are told of exorbitant prices charged for retail goods during the epidemic of influenza, when packages bought in New York by Chicago firms were called for personally in order to insure receipt and quick delivery. It seems a far cry from those hectic days to the present days of staid calmness when there is hardly a cent's change one way or another from month to month, and deliveries are handled calmly through the ordinary channels.

The reasons for this change are manifold, and easily determined. For one thing there has not been since 1918 such an urgent demand for medicinal use as was called forth by the epidemic of that fall. At that time the need for this was so keen that almost any price could be demanded and obtained. Then too, before the close of the war, there was a certain demand for camphor to be used in the manufacture of explosives, which is no longer extant. But perhaps the greatest stabilizing factors have been the close control of the market by the Japanese Government which has a virtual monopoly of the production and sale of the unrefined gum, and the increased firmness of Japanese exchange. The gum is now refined, not only by Japanese but also by American pharmaceutical manufacturers and this too might have some stabilizing effect.

During the past year, camphor refined in Japan moved more or less steadily at 67c a pound up to about the first of April, when a general advance was announced bringing the price up to 75c a pound. American refiners fell in line and advanced their price which had regularly been higher than Japanese refiners' to 84c at which level it has been maintained ever since. Following shortly on the heels of the advance, one importer began to take speculative interest in the item and tried to corner local stocks and push the market up to a parity with American goods. This attempt, however, did not prove a success, as the price never did go above 77c or 78c on spot and soon receded to 72c to 73c a pound around which level it has remained with minor fluctuations up to the present time. At times stocks were somewhat limited, but at no time was there any real stringency nor did prices again advance materially above the present level. During the closing months of the year shipment quotations from Japan began to firm up as the exchange advanced, but stocks in this country were by that time in excess of demand, due to large speculative buying by a different importer, and to date there has been no material change in the local price. If these stocks become depleted, a slight advance to bring the would not be improbable.

Drug Trade Notes

Eli Lilly & Co., Indianapolis will erect a new warehouse and office building at Camp and Capdeville sts., New Orleans. The company is now located at 116 Common st.

W. T. Daugherty, United States trade commissioner to Germany, addressed the members of the Drug and Chemical Section, New York Board of Trade and Transportation, at the annual luncheon held Wednesday, Jan. 6.

A drawback allowance has been recently granted by the Treasury Dept. to Pepsin Syrup Co., Monticello, Ill., manufacturers of a medicinal preparation designated as "Dr. Caldwell's Syrup Pepsin".

The Alexandria crop of senna was much smaller this year on account of the lack of rains and the pods are becoming scarce. No. 1 and 2 leaf forms the bulk of the crop, with not any too much of them. Higher prices are anticipated in senna this year in many quarters.

The plant of Albert David Chemical Co., Chicago Heights, Illinois, suffered a loss by fire on Dec. 18. It was not serious enough to cripple them and the plant is now running again.

Hexeton, a new German synthetic product, is said to have all the properties of camphor with two or three times its strength. It is a clear, stable, sterile liquid and can be manufactured at a fraction of the cost of producing natural camphor.

Chas. L. Huisking, Inc., New York drug brokers, in their weekly trade letter, find 1926 ushered in under better auspices than any year since the close of the war. Confidence prevails and the buying power of the United States is at a high point with Europe steadily improving and now offering a healthy competition, says Huisking.

The November imports of gums, resins, and balsams, valued at \$1,043,000, were exceptionally small being below those of the corresponding month of 1924 by 30 per cent, and of the previous months of 1925 by 45 per cent. The smallness of the receipts of varnish gums was perhaps the attributable cause of the decline as only 3,315,000 pounds, worth \$678,000 entered the United States in November 1925, compared with 5,237,000 pounds, worth \$1,338,000 in November, 1924. Imports of shellac went from 1,851,000 pounds, valued at \$983,000 in November, 1924, to 564,000 pounds, \$235,000, in November, 1925. There were no imports of kauri gums during the month.

The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, see Chemicals pages 34-52

ALCOHOL SHOWS SOME RECOVERY

Cold Weather, Coupled With Discontinuance of No. 6 Greatly Enhances Demand—Prices Show No Advance Yet—Menthol Again Lower—Market Continues to Show Poor Activity on Year-End Slump

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced	No Advances	Declined
Camphor, Jap., slabs, ¼ c lb.			Menthol, 50c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid	\$.35	\$.35	\$.35	\$.36	\$ 2.00	\$.20
Acid Citric Import .....	.45	.45	.45	.46	1.25	.45
Caffeine, Alkaloid	3.75	3.75	3.75	3.50	13.00	3.65
Calmeil, American	1.45	1.45	1.45	1.22	3.43	.90
Camphor, Jap ref .....	.71¾	.72	.72¾	.66¾	3.55	.41
Iodine, Resublimed	4.65	4.65	4.65	4.65	5.00	3.75
Menthol	7.25	7.50	8.65	12.75	13.50	3.00
Potassium Bromide, Cryst. .....	.48	.48	.48	.48	4.30	.80
Quinine Sulfate Imp .....	.50	.50	.50	.50	.90	.25
Sodium Salicylate .....	.40	.40	.40	.40	4.25	.27
Strychnine Sulfate .....	.42	.42	.42	.49¾	1.05	.50
Average	1.844	1.859	1.984	2.31	5.92	1.56

The year-end slump is still evident in buying of fine and pharmaceutical chemicals but no real weakness is felt in the market. Prices generally continue firm with the expectation that demand will again pick up as soon as the inventory taking period is over. The recent spell of cold weather in and around New York, has heartened alcohol distillers considerably, and this fact, coupled with the imminent discontinuance of denaturing formula No. 6, has greatly enhanced the demand and thereby strengthened the market. Although some of the lower priced materials still available, general resale prices are more nearly in line with the prices maintained by nationwide distributors. Menthol has continued its decline in price, although some factors note a tendency in primary markets to maintain a firmer front, and point it out as an indication that the bottom has been reached, and, in their opinion, a slight rebound would not be surprising. In other quarters a steadily decreasing tendency is seen. The ultimate nature of the market is still largely a matter of conjecture.

Acetanilid—Conditions are basically unchanged with prices steady.

Acetphenetidin—Business continues normal with no change in prices.

Acid, Acetylsalicylic—Normal business continued with prices unchanged.

Acid, Benzoic—Demand continues routine with slightly less competition. Resale lots are held below manufacturers' figures.

Acid, Citric—There is no basic change in the item, with domestic prices well in control of the market.

Acid, Gallic—Market is firm at recent advance with no further change in evidence.

Acid, Salicylic—Competition still remains in evidence but is not so keen as formerly. Demand is seasonally good and prices are unchanged.

DRUG AND FINE CHEMICAL SECTION

Acid, Tartaric—Market conditions are unchanged with prices firm and domestic goods control the market.

Alcohol—Recent cold weather has strengthened the market considerably, although some producers are still found in the New York market who are quoting prices below the former contract schedule. The demoralization of the market has not spread and stands in a fair way to be checked now. Prices in other sections are unchanged. Demand for No. 6 has been very great and has also had a strengthening effect on the market as a whole.

Alkaloids—Market for all items of this group continues to move in a quiet unspectacular way with no price changes in evidence or likely.

Amidopyrine—Market is firm with prices steady and unchanged.

Antipyrine—Steadiness characterizes this item with an ever firming tendency shown in the price although there has been no actual advance.

Bay Rum—Good demand is seen for imported goods at recently reduced price with no further change in evidence.

Bismuth Salts—Prices are steady at the recently advanced prices with demand of a routine nature.

Bromides—Recently reported lots of potash bromide in barrels at 35c lb have been bought up and the price is again firm at 37c lb. Ammonia is scarce at 51c@55c lb with very little demand noted. Soda is steady and quiet at former prices.

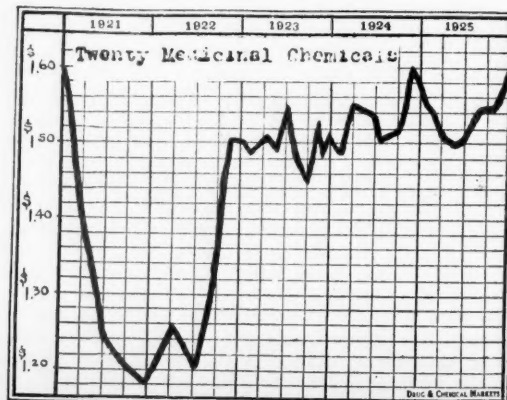
Camphor—Local market is quiet and has declined to 71¾c lb on spot. The market in Japan is firm, but quiet this week with local stocks sufficient to prevent any scarcity here.

Chloroform—There has been no change in this situation, with demand routine and prices unchanged.

Codliver Oil—Prices are unchanged with little demand outside routine inquiry. Norway is firm but little is being shipped.

Cream of Tartar—Prices are steady and unchanged with market firm.

Creosote Carbonate—Activity is good with prices firm and steady.



Formaldehyde—Demand continues in excess of production with prices steady and unchanged.

Fusel Oil—This item continues weak with prices ranging \$1.80@2.00 gal. as to holder, quality and quantity.

Glycerin—Buyers seem to be holding off somewhat and some uneasiness is seen in the market, but prices are unchanged.

Guaiacol—Market activity continues good with sales steadily made at unchanged quotations.

Hexamethylenetetramine—Activity in this item is good with prices kept at unchanged levels by competition from foreign goods.

Hydroquinone—Reduction in price to \$1.25 has spread to a number of sellers, but is not yet general. Market shows no change.

Iodine—Crystals, tincture and iodides are all unchanged in price with demand routine.

Iron Salts—There has been no change in any of these salts with prices steady and buying activity normal.

Menthol—Spot market is dull with practically no demand and the price level has generally declined to \$7.00 lb with probability that some better could be done. One small lot was offered to consumers at considerably below this figure but no interest was shown. Japan seems to have set a price below which it will not go.

Mercury—Demand continues very quiet at the moment and prices are unchanged.

Mercurials—Demand continues routine with little change in evidence and prices firm at recent advance.

Potassium Permanganate—This situation is unchanged with concessions generally made below open quotations.

Quinine—The recent interest in this item seems to have subsided and open prices are at former levels, although shading is generally done.

Santonin—Demand has been enhanced by the recent reduction, with no further changes made.

Sodium Benzoate—Demand is somewhat less in evidence with prices and position unchanged.

Thymol—Market continues very firm with prices unchanged at recent advance.

STILL FIGHTING TO RETAIN ALCOHOL TAX (Special to Drug & Chemical Markets)

Washington, D. C., Jan. 6—Consideration is being given by the Treasury Department and the members of the Finance Committee of the Senate to the advisability of restoring the present alcohol tax rates to the Revenue bill which is now pending before the committee. It is understood that this was discussed informally between Secretary of the Treasury, Mellon, and Senator Reed Smoot, chairman of the committee at a recent conference.

The drug manufacturers are making a determined fight to keep the present tax in the bill but the general opinion seems to be here that the Senate will not make any change in the alcohol rates as they passed the House.

Medicines imported into Chile for the purpose of combating social diseases are exempt from import duty to the amount of 50,000 pesos (of duty) per annum.

Fire losses in the retail drug trade during 1922 and 1923 aggregated \$4,183,021, according to the National Board of Fire Underwriters.

GLYCERIN AND SARSAPARILLA HIGHER

London Also Quotes Higher Prices on Antimony, Oils Lemon and Orange, Shellac and Japanese Mint Oil—Star Anise Oil Firmer—Castor Oil, Codliver Oil, Menthol and Linseed Oil Lower

(Special Cable to Drug & Chemical Markets)

London, Jan. 6—Trading in crude drugs and fine chemicals is improving, orders are more numerous and for larger quantities. Glycerin is quoted higher at £5, Mexican sarsaparilla is up. The price has doubled and is now 18d c. i. f. Other products quoted higher are antimony, lemon oil, orange oil, shellac, for forward delivery, and Japanese mint oil.

The market is firmer for star anise oil.

Prices are lower on castor oil, codliver oil, menthol and linseed oil.

London, Dec. 26 (By Mail)—Business is quiet and in view of stock taking and the limitation of commitments at this period little improvement can be looked for until the turn of the year. Lower prices and a general sagging of markets has been general. Late speculative favorites have suffered most, however, on account of the more stringent action on the part of bankers in calling in advances.

Peppermint Oil English, has advanced to 120s per lb, while **Peppermint Oil, American**, is cheaper at 110s per lb for the moderate quantities available on spot. First hand to arrive might be shaded at 120s per lb c. i. f.

Corn Oil, Japan, has been subject to a good deal of forced liquidation on account of speculative holdings being "closed out" without reserve at from 22s to 23s 6d per lb. A good business notwithstanding has been done for forward shipments and no pronounced decline is anticipated. Oct.-Dec. delivery is 14s to 15s per lb c. i. f.

Opium is higher in Smyrna and London limits for spot druggists' have been raised. Here and there 2s per unit might still be obtainable.

Cascara Sagrada, Ergot, Senega and Saffron have eased. **Wormseed, Russian**, in keeping with the recent reduction in santonin has also declined in price.

BENKERT DISCUSSES EUROPEAN OUTLOOK

W. Benkert, of W. Benkert and Co., Inc., returned Jan. 4 from an extended trip in Europe where he obtained the re-appointment as American agent for Messrs. Planchon & Bourget, Marseilles. L. A. Champon, former representative of this concern is now associated with W. Benkert and Co.

When interviewed by a representative of "Drug & Chemical Markets", Mr. Benkert stated that business in France was materially retarded by the extreme depreciation of the franc coupled with the exceedingly high income tax which has just gone into effect with the first of the year. Such conditions are not conducive to business operations of any size.

Conditions in Germany are somewhat better, Mr. Benkert said, but really good conditions in business there are prevented by the lack of money. The industries are busy with production but the selling of their products is of necessity carried on on extended terms and ready cash commands a high rate of interest. For this reason prices are very high and trading is comparatively slow. What cash there is there seems to be concentrated in few hands and those few are doing good business.

Radisante Endocrine Laboratories Inc., New York, colors, dyestuffs and drugs, has changed its name to U. S. Gamma Laboratories, Inc.

The Crude Drug Market

Current Spot Quotations for Crude Drugs, pages 53-58

VALERIAN ROOT LOWER ON NEW ARRIVALS

Price Has Declined on Arrival of New Crop—Golden-seal Continues Higher—Colocynthis Pulp Advances—Blue Aleppy Nutgalls Firmer—Prickly Ash Berries Sharply Higher on Concentration of Stocks—Dandelion Root, Lycopodium, Larkspur Seed, Spanish Saffron Easier

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Calamus Bleached, 7c lb.	Goldenseal, 30c lb.
Cascara Amarga, 10c lb.	Nutmalls, blue Aleppy, 2c lb.
Colocynthis Pulp, 2c lb.	Poppy Seed, Du., 3/4c lb.
Deer Tongue Leaves, 3c lb.	Prickly Ash Berries, 25c lb.
Declined	
Anise, Star, 1 1/2c lb.	Lycopodium, 5c lb.
Canary Seed, 3/4c lb.	Mace, Bat., No. 2, 1/4c lb.
Cardamom, green grding., 10c lb.	Marjoram, French, 2c lb.
Carnauba Wax, No. 3, N.C., 2c lb.	Mustard, Calif., br., 3/4c lb.
Cassia, 3/4c to 3/4c lb.	Nutmegs, 1c lb.
Celery Seed, 3/4c lb.	Peppers, 3/4c lb.
Dandelion Root, 3/4c lb.	Sabadilla Seed, 4c lb.
Fenugreek Seed, 3/4c lb.	Saffron, Span., \$2.00 lb.
Gambier Gum, 8c lb.	Senega Root, 2c lb.
Larkspur Seed, 10c lb.	Valerian Root, 8c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, USP	\$.26	\$.26	\$.28	\$.33	\$.90	\$.42
Buchu Leaves, Short .....	.58	.58	.60	.76	4.00	.85
Cantharides Russian .....	.60	.60	.60	.85	9.00	2.10
Cocculus Indicus .....	.07	.07	.07	.12	.85	.03
Ergot, Spanish .....	.75	.75	.80	.60	4.50	.54
Insect Powder, pure .....	.29	.29	.29	.44	1.00	.28
Ipecac, Cartagena, powd..	3.30	3.30	2.75	2.85	4.50	1.35
Nux Vomica .....	.05	.05	.05	.05	.14 1/2	.07
Opium gum	12.00	12.00	12.00	12.00	30.00	5.00
Rhubarb Root, H D .....	.35	.35	.35	.37	1.75	.15
Tragacanth, No 1 ribbon..	1.65	1.65	1.55	1.15	6.00	1.50
Wild Cherry Bk. Thin nat.	.08	.08	.08	.08 1/2	.21	.07
Average	1.670	1.665	1.617	1.58	5.28	1.60..

The inventory season still casts its spell over the crude drug market and trading this week has been rather light for that reason. The general feeling of the trade is that last year was a very good year and high hopes are expressed that 1926 will be better. Price changes of importance have been somewhat limited by the scope of trading, but a few items have advanced due to concentration of stocks, or firmer positions at primary sources. The price declines are in predominance this week, due mainly to poor buying interests exhibited in a number of items which have been rather high during the closing months of the past year. Actual resumption of active trading will probably be forthcoming in another week or two, when inventories are completed and needs for replenishment are ascertained.

Botanical Drugs

Aconite—Prices unchanged with some additional firmness shown in leaves.

Anise—Star is again easier at 16c@16 1/2c with other grades unchanged.

Belladonna—There has been no change in this item which is now firm.

Buchu—This item continues very weak with prices unchanged.

Calamus—Bleached has again advanced and is now

held at 45c@48c lb as to holder. Natural is unchanged.

Cascara Amarga—The "so-called" has advanced to 70c @75c lb.

Celery Seed—This item continues to recede from the high levels formerly maintained and is now available at 23 1/4c@23 1/2c lb.

Colocynthis—Pulp has again advanced and is now inside at 30c@33c lb.

Dandelion Root—Market for this is quiet and the price has declined to 17 1/2c@20c lb.

Deer Tongue Leaves—A sharp advance to 15c@16c lb has been recorded in this item.

Digitalis—Prices are firm and unchanged with some holders leaning toward higher quotations.

Elm Bark—There has been no change in this item with a somewhat firmer tendency shown.

Ergot—Prices are unchanged with market weak and some tendency to shade.

Fenugreek Seed—This is lower at 4 7/8c@5 1/2c lb.

Goldenseal—Root continues higher with some holders now asking \$4.90@\$5.00 lb for the whole and \$5.15@\$5.20 for the powdered. Herb is unchanged.

Ipecac—Scarcity continues with no whole now available. Powdered is scarce with price unchanged.

Larkspur Seed—This has continued its decline and is now obtainable at \$2.15@\$2.25 lb.

Lycopodium—Spot stocks are limited but demand is practically non-existent. Prices are easier at 90c@95c lb with the probability of bettering that on a firm bid.

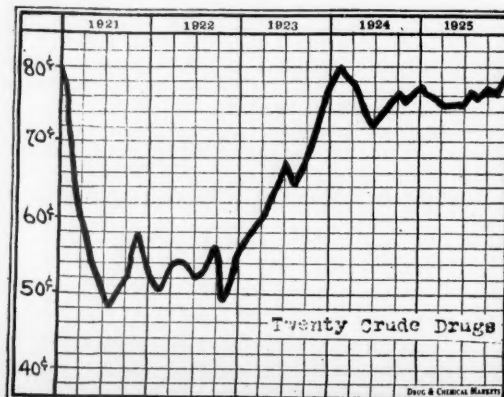
Marjoram—French leaves are now more freely offered at 48c@50c lb with German still offered on a "when released" basis.

Musk—Root continues easy at recent declines with no change seen in the pods.

Nutmalls—Market is firm with 25c the best price available for the blue Aleppy galls. Other prices are unchanged.

Orris Root—This item continues firm with prices showing no change.

Poppy Seed—Dutch seed has advanced to 12 3/4c@13 1/2c lb with other varieties unchanged.



Prickly Ash Berries—A marked scarcity has developed and the price has advanced radically to 75c@85c lb.

Rhubarb—This item continues quiet at unchanged prices.

Sabadilla Seed—The price has declined to 21c lb for the whole seed and 26c lb for the powdered.

Saffron—Trading is quiet and although open quotations are unchanged, \$30.00 lb could easily be done on a fair sized order.

Sarsaparilla—There has been no relief in this situation, with Mexican root entirely off the market.

Senega—Market is quiet at 68c@70c lb.

Senna—Prices are unchanged but the market is reported as very firm.

Valerian Root—Arrival of new stocks has affected the market and the price is now down to 25c@30c lb with lower prices quoted for shipment.

Wormseed—There has been a slight reduction in primary market but jobbing lots continue to move in a fair way at unchanged prices.

Spices

Cassia—Batavia and China cassia have both shown a slight reduction in price, Batavia No. 1 being down to 11½c, shortstick to 10½c, select China 8½c and Batavia No. 3 10c lb. Ceylon cinnamon is now purely nominal.

Mace—Batavia No. 2 mace is easier at 87½c@88c lb.

Mustard—California brown mustard is easier at 10½c @11c lb with other varieties firm and unchanged.

Nutmegs—This market is slightly easier at 52c@53c for the 110's and 51c@52c for the 80's.

Peppers—This market is slightly easier at 40c@41c lb; Aleppy at 35c@35½c; Lampong at 34c@34½c; Tellicherry at 36c@36½c; and Muntok at 40c@41c lb. Red peppers are unchanged.

Gums and Waxes

Arabic—Market is quiet at unchanged prices.

Beeswax—There has been no material change with stocks rather limited.

Carnauba Wax—No. 3 N. C. is easier at 37c for spot with lower prices heard for nearby positions. This item promises to be easier.

Gambier Gum—This item is easier at 10c@13c lb.

Tragacanth Gum—Prices are as yet unchanged but the market is firm and a \$2.00 market is predicted in some quarters.

The results of the Dec. 28 meeting of the Wholesale Drug Trade Bowling Association are as follows, figures in parentheses being handicaps: Squibb No. 1, 794, Lanman & Kemp, (23) 758; Squibb No. 1, 771, Klipstein, (38) 764; Klipstein (15) 855, Lanman & Kemp 763; Roessler & Hasslacher 861, Klipstein (73) 768; Roessler & Hasslacher 884, Lanman & Kemp (58) 853; and Squibb No. 1 (34) 854, Roessler & Hasslacher 807. A clean game was rolled by Ernst of Klipstein at 246, with other games over 200 as follows: Worms, Squibb No. 1, 228; Cudahy, Roessler & Hasslacher 226; and Fitzgerald, Lanman & Kemp, 204.

Arrivals of opium in Constantinople during the period Nov. 15 to Dec. 1 were 1,273 cases druggists, 226 cases "softs," and 153 cases Malatia, according to the London "Chemist and Druggist." Sales included 97 cases druggists' at 21 to 25 piastres per oke, which had been previously offered at 18 to 19 piastres, 12 cases "softs" at 30 piastres and 2 cases Malatia at 22 piastres.

CRUDE DRUG IMPORTS GAIN

November Shows 42 Per Cent Increase In Value Over Same Month in 1924

Exports of crude drugs and other botanicals during November, 1925, failed to reach the November, 1924, figure by 25 per cent, although the total of \$339,000 (380,000 pounds) was considerably in excess of every other month of the year with the exception of January. This fact is really due, however, to a higher valuation as the poundage was small.

On the other hand, imports surpassed the previous November figure by 42 per cent in value while the quantity was doubled, totals for the month being \$1,144,000 (19,082,000 pounds). Receipts of cinchona bark amounting to \$232,000 (735,000 pounds), and of pyrethrum flowers of \$268,000 (1,714,000 pounds), were the peak of the year, but the predominating feature was the large size of the incoming shipments of licorice root when 14,460,000 pounds, valued at \$344,300 were imported.

Foreign sales of medicinal and pharmaceutical preparations continued favorable with nothing outstanding for the group totals having been \$1,531,000 for the month of November, 1925. Sales of antitoxins, serums, and vaccines amounted to \$132,000 (3,472,000 c. c.). Contrasting the sales, purchases from foreign countries of medicinal and pharmaceutical preparations were small and equalled \$253,000.

COMPARE 1924 AND 1925 SPICE CLOSING

John Clarke & Co., Inc., New York spice brokers, have prepared the following table of comparative prices for the close of 1924 and 1925:

	1924	1925
Peppers		
Lampong	.13	.34½
Tellicherry	.14½	.86
Aleppy	.14½	.35½
Muntok White	.24	.41
Singapore White	.23	.40
Bombay Capsicums	.12½	.10
Mombassas	.10	.10½
Pimento	.1	.17
Zanzibar Cloves	.29	.26½
Banda Mace	.88	\$1.08
Nutmegs		
110's	.53	.52
W. I.	.47	.44
Cassia		
Saigon Rolls	.23	.24½
No 1 Bat. Cassia	.11	.12
Ex. Sel. Broken China Cassia	.07½	.09½
No. 2 Cey. Cinnamon	.40	.49
Ginger		
ABC Cochin	.24½	.19½
African Ginger	.19½	.15
Japan Ginger	.20	.18½
Jam. Ginger (Good)	.28	.18
Ex. Fancy Paprika	.22½	.25
Seeds		
Anise	.14½	.13½
Caraway	.10½	.06½
Canary	.07½	.07½
Cardamoms	\$2.00	\$2.60
Celery	.29½	.23½
Coriander	.05½	.04½
Cumin	.17½	.11½
Fenugreek	.04¾	.04¾
Fennel	.10½	.07¾
Hemp	.04¾	.04¾
Dutch Yel. Mustard	.08	.12
Calif. Brown	.11½	.10½
Poppy	.50¾	.12½
Sage	.06	.06
Savory	.06	.09½
Sunflower	.06	.06½
Thyme	.11	.08½
Turneric	.11	.09

The annual meeting of Philadelphia Wholesale Drug Co. will be held 2017 Spring Garden st., Philadelphia, Tuesday evening, Jan. 19, at 8 p. m.

The Essential Oil Market

Current Spot Quotations of Essential Oils, pages 58-60, Aromatic Chemicals 61

NEW YEAR OPENS WITH STEADY MARKET

Few Essential Oil Changes Noted During Inventory Period—Messina Oils Continue to Feature Market—Geranium Unchanged—Wormseed and Wormwood Firmer—Menthol Reported Lower

PRICE CHANGES IN NEW YORK

(Stocks in First Hands)

Oil Eucalyptus, drums, 1c Oil Wormwood, 25c
Oil Wormseed, 25c Oil Apricot 2c

Advanced

Declined
No Declines

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot	\$5.40	\$5.40	\$5.35	\$3.45	\$7.00	\$5.00
Oil Citronella Ceylon	.48	.48	.47	.74	1.02	.60
Oil Cloves	1.85	1.85	1.85	2.00	3.70	1.40
Oil Lemon, Italian	2.05	2.05	2.00	.97½	1.70	2.00
Oil Peppermint Nat	27.00	27.00	28.00	16.00	9.00	2.24
Oil Sandalwood, E	7.10	7.10	7.10	6.85	14.00	5.25
Oil Sassafras, Artif.	.27	.27	.27	.35	1.00	.26
Commarin	3.10	3.10	3.10	3.25	31.00	3.10
Benzaldehyde, U S P	1.15	1.15	1.15	1.50	5.15	1.50
Methyl Salicylate Cans	.43	.43	.43	.47	1.00	.85
Vanillin	.49	.49	.49	.40½	.95	.20
Average	4.62	4.62	4.68	2.74	6.83	2.05

The week in the essential oil market showed a continuance of the quiet period which it has been experiencing of late. This is attributed partially to the two-day holiday, but principally to the taking of inventory, which seemed to be the prevalent occupation of consumers and sellers alike during the end of 1925 and the first few days of the New Year. Despite this absence of demand the market has retained its healthy condition and the opinion is expressed in most quarters that the New Year will get off on the right foot. Geranium oil showed no indication of strengthening its weak position, but aside from this, prices have not shown a tendency to ease off. In fact, it is stated that with any buying interest, Messina oils and Ceylon citronella will show an upward movement. Peppermint is inactive, wormseed quiet with few spot parcels. Expressed lime oil is quoted in a nominal way only, and if possible, the shortage is more acute than before.

Essential Oils

Oil Almond—Sweet oil is rather scarce on spot but with little consuming interest prices remain at 95c@1.00 per lb as to seller. Bitter U. S. P. appears a bit easier with no actual price change. Quotations are \$3.00@3.25 lb spot.

Oil Apricot—Due to the strong position of sweet almond oil, apricot has shown an upward trend recently. In one quarter it is said that 58c@60c lb is the best price that can be done, but this figure would very probably be shaded and purchases made at 57c lb spot.

Oil Anise—Although purchases can probably be made at a price in favor of the consumer, anise has retrenched itself and the figure most generally quoted on spot is 65c@68c lb for native oil and 68c@72c lb for U. S. P.

Oil Bergamot—Bergamot stands out as one of the few items in which interest is expressed. It continues strong on spot and quotations are: \$5.40@5.65 lb as to seller.

Oil Bois de Rose—Routine interest is expressed, but

no actual price change registered. Spot sellers are quoting \$3.25 as the inside price with quotations ranging to \$3.50 as to seller and quantity.

Oil Cananga—Replacement prices are reported to have been increased but as yet no advance in the spot price was in evidence. Native cananga is offered at \$2.60@2.75 lb spot, and rectified is quoted at \$3.25@3.50 lb.

Oil Citronella—A continuance in the strength of Ceylon citronella was one of the features of the market. Although in some quarters higher prices are named, it is possible to do 48c lb spot. It is quite firm at this level and if cable advices may be taken as a criterion, there will be no recession in price in the immediate future. Lack of a better buying interest is attributed to inventory week. Java is firm and unchanged at 87c@90c lb spot.

Oil Erigeron—Very quiet with holders of spot goods offering at \$6.50@7.00 lb.

Oil Geranium—The weakness in Bourbon geranium is laid to the generous supply of spot stocks and the gathering of the seasons crop at origin which leaves the impression that prices will decline in consequence. No easing off in price was noted and sellers state that it has reached its low ebb at \$3.75@4.00 lb spot. African is quoted at \$4.50@4.75 lb spot and Turkish at \$3.25@3.50 lb.

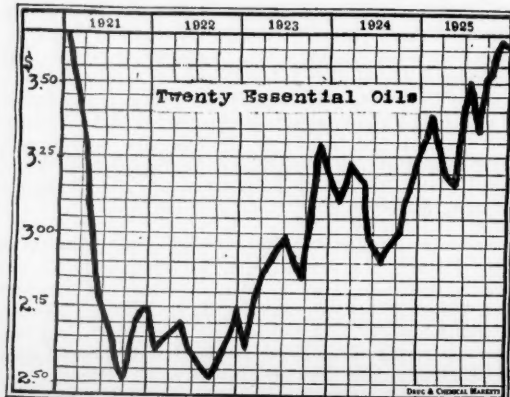
Oil Lemon—In line with the other Messina oils, lemon is carrying over the inventory period at a price of \$2.05 \$2.30 lb spot, which augurs for at least a maintenance of this level when the buying season sets in. Primary market quotations are firm. American oil is unchanged at \$1.90@2.00 lb.

Oil Lime—A more acute shortage in expressed lime oil is reported, and prices are nominal at \$6.00 lb spot.

Oil Nutmeg—While a figure of \$1.90 lb spot is generally quoted, one of the leading factors states that it is possible to do \$1.80 lb spot in a large way. \$1.90 is probably the market for smaller parcels.

Oil Orange—Continues strong but inactive. Spot holders are offering Messina at \$2.95@3.25 lb with replacement parcels at a corresponding figure. Considerable activity is expected with the advent of 1926 business.

Oil Peppermint—Peppermint continues inactive on spot. Sacks on this market are reputed to be small,



with what parcels there are, well held at the primary market. Factors here quote: \$27.00@\$28.00 lb spot.

Oil Spearmint—Unchanged on spot with sellers naming \$13.00@\$14.00 lb.

Oil Wormseed—Spot stocks are concentrated in a few hands, who state that there is an actual shortage. \$6.25 @\$6.50 lb spot are the quotations heard.

Oil Wormwood—The spot market is without stocks of any size and holders are naming \$7.25@\$7.50 as the spot market. This figure can probably be shaded slightly.

Aromatic Chemicals

Benzaldehyde—Manufacturers' prices were unchanged during the past week, and quotations heard were: \$1.15 @\$1.25 lb for U. S. P. and FFC is offered at \$1.30 @\$1.40 lb spot.

Terpineol—A lack of strength was still in evidence in terpineol, but prices were unchanged at 29c@31c for C. P.

Vanillin—Spot market unchanged, with sellers naming 49c lb for U. S. P.

VANILLA BEANS

There was little or no change in the position of vanilla beans during the holiday season. Reports are to the effect that demand is good with prices unchanged at: \$7.00 @\$9.00 lb spot for Mexican whole beans; cuts \$5.50 @\$6.00; Bourbons \$2.75@\$3.50 lb; South American \$4.50 @\$6.00 and Tahitis \$2.75@\$2.90 lb spot.

METRIC ASSOCIATION ELECTS OFFICERS

(Special to DRUG & CHEMICAL MARKETS)

Kansas City, Mo., Jan. 6—Among the officers re-elected by the Metric Association at its annual meeting here are Wm. Jay Schieffelin, New York, third vice-president; Walter Wood, of R. D. Wood & Co., Philadelphia, member of executive committee and Harvey W. Wiley, Washington, D. C., member of executive committee.

Emphasis was put on the correct use of metric weights and measures, legalized for all transactions by U. S. Congress in 1866. Over 30 new members of the Metric League signed, "It is my purpose to use metric weights and measures whenever feasible." The signers included R. D. Campbell, Ralph W. Wagner, and Arthur B. Smith, Engineers of the Automatic Electric Company, who came from the Chicago factory. Others were Curtice W. Sloan, Mechanical Engineer, and William H. Clay, Purchasing Agent of Swift & Co., Kansas City; Professor F. E. Kester, of the University of Kansas (he has used no others for years); H. H. Marvin of the University of Nebraska, and A. S. Eve, McGill University, Montreal, Canada.

The paper presented by Dr. Frederick L. Hoffman of the Babson Institute, outlined his extensive use of metric measures.

Emil Fog & Figli, Messina, report to Parsons & Petit, New York, that interest is centering on the new crop oils. The storm of late November, instead of decreasing the output of oil, increased it as a large part of the fruit, originally intended for export, was blown down and this is all being turned into oil. The surplus in lemon oil over the usual December output is estimated at 150,000 pounds and is making its effect felt on the market. Sellers of bergamot are stronger and are holding out for high prices in spite of the additional oil placed on the market. No change is reported in sweet orange oil and mandarin oil.

ESSENTIAL OIL TRADE DECLINES

Both Exports and Imports Decline in November, 1925, Compared With the Same Month in 1924—Perfumery Exports Gain

A reduction was made in both exports and imports of essential oils, the former having equalled 64,000 pounds, valued at \$153,000, and the latter \$326,000. The imports of some of the leading oils in November, 1925, were: Geranium, 3,940 pounds, \$13,400; bergamot, 4,300 pounds, \$21,200; citronella and lemongrass, 118,800 pounds, \$76,300; lavender oil, 14,000 pounds, \$64,000; lemon, 20,000 pounds, \$28,000; and orange, 9,900 pounds, \$17,500.

Exports of perfumery and toilet preparations improved 12 per cent to \$618,000, but imports declined 37 per cent to \$503,000. The exports of perfumery and toilet waters amounted to 33,000 pounds, \$36,000; of talcum and other toilet powders to 297,000 pounds, \$157,000; of creams, rouges, and other cosmetics to 202,000 pounds, \$108,000; and of dentifrices to 248,000 pounds, \$222,000.

Perfumery, bay rum, and toilet waters accounted for over one-half of the imports of goods of this type, or \$299,000 (180,500 pounds) for the month of November, 1925. Imports of perfume materials amounted to \$124,000, a decline of 76 per cent from the November 1924 figure.

SELLING NEW LEMON JUICE IN SICILY

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Catania, Sicily, Dec. 26—The demand for lemon juice is good, both on the part of Italian continental importers, and from buyers in foreign countries. The higher value of the dollar and the pound sterling greatly helps business. The old product is still preferred by all buyers. New harvest juice, known as "bastardone," is sold at a lower price. Old sweet orange oil finds a very satisfactory sale.

For the new essential oil, although not yet produced, contracts have been arranged in advance for very fair future deliveries. Bitter orange oil is in fair demand, and good sales are noted in mandarin oil. Bergamot oil finds more ready sale. Below are given some of the prices per Sicilian pound:

	Lire
Lemon juice, new product	20.50
Lemon juice, old product	22-23
Sweet orange, old product	33.50
Sweet orange, new product	35
Bitter orange, old product	33
Mandarin oil	100-105
Bergamot oil	62-68

The new customs tariffs provide the following official values, expressed in gold lire per kilo, for ordinary essential oils: Ordinary angelica 225; anis, 13; cajuput, 12; chamomiles, 410; cinnamon (Ceylon), 80; cardamom, 175; citronella, 10.50; eucalyptus, 6.50; fennel, 10; geranium, 92; juniper, 23; lavender, 58; cedarwood, 6.50; sassafras, 18; lemongrass, 12; marjoram, 14; myrtle, 28; neroli, 420; nutmeg, 22; origanum, 15; petit grain, 39; rosemary, 8; mustard seed, 52; thyme, 15.50; ylang ylang, 85.

Harry B. Moore, known to the oil and import trades for a number of years, is now covering the metropolitan district for Ungerer & Co.

W. H. Schutte has taken over the account of P. R. Dreyer in Chicago, located at 33 W. Illinois st. Dreyer represents Bertrand Freres in the United States.

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: Chemicals, including heavy, technical and industrial chemicals; fine, medicinal, and photographic chemicals; coal-tar crudes and intermediates; tanning and dye extracts; dye and tan woods; naval stores; fillers and pigments; dextrans, sizes and starches; fertilizer materials, accelerators and solvents, and miscellaneous products; Crude Drugs, including barks, herbs, roots, etc. Essential oils, including oleoresins, synthetic aromatic chemicals and isolates. Fatty Oils, including animal, vegetable, and fish oils, tallow, greases and fats. All groups are in alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, will be quoted in addition to makers' prices available,

and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan District, f. o. b. ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	— .833	Imperial Gallon
1 American Gallon	—3.79	Liters
1 Liter	— .264	American Gallon
1 American Gallon (Water)	—8.35	Pounds
1 Pound (Avoirdupois)	— .454	Kilogram
1 Kilogram	—2.20	Pounds

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Chemicals

Acetaldehyde Drs., or Cyl. c-l wks	..	.26
le-l wks	..	.30
ACETANILID, tech., 150 lb bbls	..	.21
100 lb kegs	..	.22
USP, 200 lb bbls	..	.37
Second hands	..	.34
Acetic Anhydride	..	
95% 107 lb chys	..	.30
92-95%, 100 lb chys	..	.35
CP, 100 lb chys	..	.75
Acetic Ether, see Ethyl Acetate	..	
Acetone, 50 gal drums	..	.35
Acetone, CP, 700 lb drs c-l wks	..	.12
Tank cars, wks	..	.12
700 lb drs le-l wks	..	.13
350 lb drs le-l wks	..	.14
Acetone Oils, light, drs. wks	..	.14
Heavy, drs wks	..	.14
Acetophenetidin, 225 lb bbls	..	.42
Acetyl Chloride, 100 lb chys	..	.45
Acetylenetetrahydrochloride drums wks	..	.10
ACID, 1, 2, 4, 250 lb bbls	..	.125
Acetic, 28%, 400 lb bbls c-l	..	
wks	..	.324
28% le-l wks	..	.349
56% c-l wks	..	.609
56% le-l wks	..	.634
70% bbls c-l wks	..	.751
70% le-l wks	..	.776
80% com'l. bbls c-l wks	..	.841
80% com'l. le-l wks	..	.866
80% pure bbls c-l wks	..	.930
80% pure le-l wks	..	.955
Glacial, bbls c-l wks	..	.1147
Glacial, le-l wks	..	.1172
Glacial, USP, chys wks	..	.1222
Second hands	..	.70
Anthranilic, tech., drs	..	.80
99-100%, 100 lb drs	..	.98
Benzate, tech., 100 lb bbls	..	.57
Tech., ton lots bbls	..	.57
USP, 100 lb bbls	..	.60
Second hands	..	.55
Boric crys., powd. 250 lb bbls	..	.09
Kegs 100 lb	..	.10

ACID	..	
Butyric, 60% pure 5 lb bot	..	.55
90%	..	.70
CP 10 lb bot	..	1.25
Camphoric USP, VIII 1 lb bot	..	4.85
Carbolic, USP, crys see also Phenol	..	
112 lb tins	..	.24
25 lb tins	..	.26
5 lb tins or bot	..	.28
1 lb bot	..	.33
Liquid USP, 1 lb bot	..	.32
Crude, 35% 50 gal bbls gal	..	.31
10% 50 gal bbls gal	..	.25
Carbonic, see Carbon Dioxide	..	
Chloracetic	..	
Mono 100 lb bbls wks	..	.25
Di, 150 lb chys wks	..	1.00
Tri, 5 lb bot	..	2.50
Chlorosulfonic, 1500 lb drs	..	
wks	..	.15
Chromic, USP, 200 lb drums	..	.37
85% Pure 200 lb drums	..	.35
Chromotropic, 300 lb bbls	..	1.25
Chrysophanic, see Chrysarobin	..	
Cinnamic, 5 lb cans	..	3.25
CITRIC, USP, cryst. 230 lb bbls	..	.45
Powd., USP, 200 lb bbls	..	.48
Imported crys., 112 lb kegs	..	.45
Single kegs	..	.47
Clevo's 250 lb bbls	..	.95
Cresylic, 95% dark drs NY gal	..	.52
97-99% pale NY gal	..	.54
Crude, spot drums	..	
Diethylbarbituric, Dom., 25 lb lots	..	
1 lb bot	..	8.00
Imp. bulk	..	4.15
Formic, 85% tech., 140 chys	..	.10
90% 80 lb chys incl	..	.10
Gallie, USP, 150 lb bbls	..	.50
Tech.	..	.55
Gamma, 225 lb bbls wks	..	1.30
Glycerophosphoric, 25% 1 lb bot	..	
1 lb bot	..	1.85
H 225 lb bbls wks	..	.68
Hydriodic, 10% USP 5 lb bot	..	.68

ACID (Con't)	..	
Hydrobromic, 48% com'l. 155 lb	..	.45
chys wks	..	.48
48% com'l. 10 chys wks	..	.45
40% USP, 155 lb chys wks	..	.55
10% USP, 100 lb chys wks	..	.13
Hydrochloric, see also Acid Muriatic	..	
CP, USP, 110 lb chys	..	.07
Hydrocyanic, wks c-l wks	..	.90
HYDROFLUORIC, 30% 400 lb bbls	..	
wks	..	.06
30% 100 lb chys. wks	..	.08
48% single 100 lb chys wks	..	.10
52% 100 lb chys. wks	..	.12
52% 10 chys wks	..	.11
60% 100 lb chys. wks	..	.14
60% 300 lb dr. wks	..	.13
White Acid, 100 lb chys. wks	..	.26
White Acid, 10 chys wks	..	.25
Hydrofluosilicic, 35% 450 lb bbls	..	
wks	..	.10
Hypophosphorous, USP 30% 5	..	
gal. dems	..	.35
USP, 10% 5 gal dems	..	.36
LACTIC, 22% dark 500 lb bbls	..	.06
22% light, bbls	..	.06
44% dark, bbls	..	.11
44% light, bbls	..	.13
66% dark, bbls	..	.13
66% light, bbls	..	.26
USP, IX 100 lb chys	..	.70
USP, VIII 100 lb chys	..	.50
Laurent's 250 lb bbls	..	.80
Metanilic, 250 lb bbls	..	.60
Mixed, Sulfuric-nitric	..	
Drums, wks	..	.07
Drums, wks	..	.01
Tank cars, wks	..	.06
Tank cars wks	..	.01
Molybdic, 85% pure 100 lb kegs	..	1.25
100% CP, 100 lb kegs	..	1.30
Monosulfonic F.Delta 50 lb tins	..	1.75

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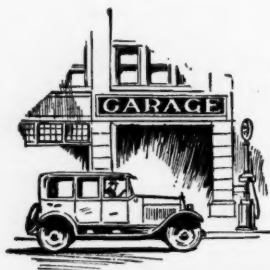
ACID			ACID			ACID		
MURIATIC, 20° chys lc-l			Picric, 450 lb bbls	.30	.33	Valeric, CP, 10 lb bot	2.50	2.75
wks	100 lb	1.60 : 1.70	Pyrogallie, crys, 5 lb cans	1.25	1.30	Aconitine Alk, cryst, 1 oz vis.	.30	.30.00
Chys, c-l wks	100 lb	1.35	Resublimed, 5 lb cans	1.50	1.60	Amorphous 1 oz vis	.20	.20.00
Tank cars, wks	100 lb	1.00	Tech., powd., 200 lb bbls	.85	.85	Adeps Lanae hydrous 350 lb bbls	.20	.21
18° 120 lb chys			Sallierite, tech., 125 lb bbls	.33	.34	Anhydrous, 350 lb bbls	.22	.23
c-l wks	100 lb	1.25	USP, 100 lb bbls	.34	.35	Albumen, Egg, edible	1.20	1.25
Tank cars, wks	net ton	...	Second hands	.33½	.34½	Tech., 100 lb drs	1.14	1.20
22° 120 lb chys			Sulfanilic, 250 lb bbls	.15	.18	Blood 225 lb bbl	.55	.60
c-l wks	100 lb	1.75	SULFURIC, 66° 180 lb chys			Vegetable edible	.60	.65
Muriatic, CP, & USP, see Acid Hydrochloric			lc-l wks	100 lb	1.50 : 1.85	Technical	.60	.65
Naphthionic, tech., 250 lb bbls	.55	.59	Chys, c-l wks	100 lb	1.25	ALCOHOL, amyl See Fusel Oil		
Neville & Winther's 250 lb			1500 lb Drums lc-l		1.10	Benzyl, 5 lb bot	1.45	1.55
bbls	.95	.99	wks	100 lb	1.10	Butyl 50 gal drs wks c-l	.20	.21
NITRIC, 36° 135 lb			Drums c-l wks	100 lb	.80	Drums lc-l wks	.20½	.21½
Chys lc-l wks	100 lb	5.00	Tank cars, wks	net ton	14.00	Tanks cars wks	.19½	.20½
Chys c-l wks	100 lb	4.75	60° 1500 lb drums			Ethyl, USP, 190 pf 50 gal	4.94	5.04
38° lc-l wks	100 lb	5.50	lc-l wks	100 lb	1.00	bbls	.64	.69
Chys c-l wks	100 lb	5.25	Drums, c-l wks	100 lb	.75	Export	.66	.66
40° lc-l wks	100 lb	6.00	Tank Cars, wks	net ton	9.50 : 10.00	Anhydrous drums c-l	5.04	5.14
Chys, c-l wks	100 lb	5.75	CP., 175 lb chys	.07	.08	Cologne Spirit, 50 gal bbls gal		
42° lc-l chys, wks	100 lb	6.50	Oleum 20 pc 1500 lb drums			Denatured		
Chys, c-l wks	100 lb	6.25	lc-l wks	100 lb	1.40	No. 1 complete denat., 190 pf		
CP., chys single wks	100 lb	.12 : .13	Drums, c-l wks	100 lb	1.15	50 gal bbl incl	.60½	.64½
Oxalic, 300 lb bbls, wks	.10½	.11	Tank cars, wks	net ton	17.00 : 18.00	Carlots	.59½	.62½
Bbls, NY	.10½	.11	Oleum, 40% drs lc-l wks	net ton	40.00	50 gal drums extra	.54½	.58½
Keps, 100 lb NY	.11½	.11½	Oleum, 60% drs, lc-l wks	net ton	60.00 : 70.00	Tank cars	.52½	.56½
Imp., 550 lb casks	.11	.11½	Sulfurous, USP 6% 100 lb chys	.05	.06	No. 1 Special denat., 190 pf		
Phenylchloride, domestic	9.20	9.60	4% 100 lb chys	.04	.05	50 gal bbl incl	.60	.64½
Imported 5 lb	5.75	6.25	USP, 5 gal dems	.06	.08	Carlots	.58½	.62½
Second Hands		5.50	Tannic, tech., 300 lb bbls	.30	.40	50 gal drums extra	.53½	.57½
Phosphoric, 50% tech., 150 lb			USP, powd., 200 lb bbls	.75	.80	Tank cars	.51½	.55½
Chys	.07	.07½	USP, fluffy, 50 lb bbls	.75	.80	No. 5, Complete denat. 188 pf		
Syrup USP, 70 lb drms	.15	.16	Tartaric, USP, cryst., 300 lb bbls	.29	.29	50 gal bbl incl	.60½	.64½
Dems	.16	.17	USP, powd., 300 lb bbls	.29	.29	Carlots	.58½	.62½
Imported	.15	.16	Imp., USP, 240 lb bbls	.27½	.28	50 gal drums extra	.53½	.57½
Second hands	.15	.16	Powd., 240 lb bbls	.28	.28½	Second hands	.40	.42
Phthalic, see Phthalic Anhydride			Tobias, 250 lb bbls	.85	.85	Tank cars	.51½	.55½
Picramic, 300 lb bbls	.50	.50	Tungstic, 100 lb kegs	1.00	1.00	No. 6, Complete denat. 199 pf		



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Diacetone, 50 gal drs. fght. allowed	2.15	: 2.30
Isobutyl, crude 50 gal drs
Refined, 10 lb cans
Isopropyl, refined, 90-91%, 50 gal drs	1.00	: 1.25
Ref'd 98-99% drs	1.25	: 1.50
Phenylethyl 1 lb bot., dom	8.00	: 10.00
Propyl, nml., 50 gal drs	...	1.00
Aldehyde Ammonia 100 gal drums	.90	: .93
Aloin, USP, 100 lb cases	.85	: .88
Alpha-Naphthol crude 300 lb bbls	...	.65
Refined	.85	: .90
Alpha-Naphthylamine, 350 lb bbls	.35	: .37
Ton lots bbls wks	...	.35
ALUM, Ammonia, lump 400 lb bbls		
wks, lc-1	3.15	: 3.50
Imp., 500 lb casks	...	...
Ground, 400 lb bbls wks 100 lb	3.25	: 3.65
Powd. 380 lb bbls wks 100 lb	3.55	: 3.90
Chrome, 500 lb cks., wks lb	5.25	: 5.50
Potash, lump 400 lb bbls	...	...
wks	3.50	: 3.75
Bbls, c-1 wks	3.55	: 3.40
Imported lump	2.75	: 2.85
Ground, 400 lb bbls wks 100 lb	3.50	: 3.85

ALUMS, Potash, (Cont.)

Imp., 350 casks	100 lb	2.50	: 2.75
Powd., 380 lb bbls wks	100 lb	4.00	: 4.50
Chrome, 500 lb casks wks	100 lb	5.25	: 5.50
Soda grd., 400 lb bbls. wks	100 lb	...	3.75
Bbls c-1 wks	100 lb	...	3.50
Aluminum metal, c-1 NY			
	100 lb	28.00	: 29.00
Chloride, anhyd., 275 lb drs	lb	.20	: .22
Crystals, 375 lb bbls	...	...	.06 1/2
30% sol. 120 lb clys	lb	.03 1/2	: .04
Hydrate 96% light 90 lb bbls	lb	.17	: .18
Heavy 62-64% 220 lb bbls	lb	.06	: .06 1/2
400 lb bbls wks	...	...	.07
Stearate, 100 lb bbls	...	...	.22 : .23
SULFATE, Iron-free bags c-1			
wks	100 lb	2.00	: 2.10
Bbls c-1 wks	100 lb	2.15	: 2.25
Imported, spot	100 lb	1.70	: 1.75
Comm'l 1/2% iron bgs c-1	...	...	...
wks	East 100 lb	...	1.40
Cont. bgs c-1 wks. E	100 lb	1.35	: 1.40
Bags, c-1 wks W	100 lb	...	1.40
Bbls, c-1 wks E	100 lb	...	1.55
Bulk c-1 cont. wks E	100 lb	...	1.50
Amidol (See Diaminophenol)			
Amidopyrine, Imp., 10 lb bxs	lb	4.60	: 5.00
Domestic 10 lb boxes	...	4.60	: 4.75
Aminoazobenzene, 110 lb kgs	lb	...	1.15
AMMONIA, anhyd 100 lb cys			
	lb	.13	: .15
Water 26° 800 lb drs del	lb	.03 1/2	: .04
Drs. c-1 delivered	...	...	.03 : .03 1/2
CP, clys	...	...	.10

Ammonium Acetate, 100 lb kegs	lb	...	.43
Benzoate, USP, 1 lb bot	...	...	1.27
Bifluoride, 300 lb bbls	...	...	.21 : .22
100 lb kegs	...	...	.22 : .23
Bromide, 450 lb bbls 50 lb bxs	...	...	.55
Imported, 112 lb boxes	...	...	.50 1/2 : .52
Carb., tech., 500 lb cases	lb	.08 1/2	: .09
Powd., tech., 550 lb cks	lb	.07 1/2	: .07 3/4
USP, lump, 100 lb kegs	...	.11	: .11 1/2
Powd., 100 lb kegs	...	.13	: .13 1/2
Second hands	...	.11	: .11 1/2
Chloride, Domestic			
White, 250 lb bbls c-1	...	...	.06
250 lb bbls lc-1 wks	...	...	.06 1/2 : .06 3/4
Imported white 600 lb cks	...	...	.05 1/2 : .05 3/4
CP, USP, gran bbls	...	...	.14
Gray, 250 lb bbls wks	...	...	.07 1/2 : .08
Bbls, c-1 wks	...	...	.07
Imported gray 250 lb casks	...	...	.06 1/2 : .06 3/4
Lump, 500 lb casks spot	lb	.11 1/2	: .12
Ichthyolate, as to brand	...	4.85	: 5.00
Iodide, USP, 25 lb jars	...	...	5.20
Lactate, 500 lb bbls	...	.15	: .16
Refined Crystals bbls	...	...	.20
CP gran., 100 lb kegs	...	.35	: .37
Oxalate, pure 100 lb kegs	...	.35	: .37
Persulfate, 112 lb kegs	...	.21	: .21 1/2
Phosphate, dibasic 200 lb bbls	...	...	.38
Mono, 325 lb bbls	...	.12	: .12 1/2
Tri basic 325 lb bbls	...	...	.04
Salicylate USP, 100 lb kegs	lb	.75	: .80
Sulfate bulk c-1	100 lb	...	2.95
Southern points	100 lb	...	3.00
200 lb dbl bags f.a.s.	100 lb	2.85	: nom.
Sulfate-Nitrate, bulk fob NY ton	...	...	81.00
Sulfocyanide, tech., 100 lb kgs	lb	.40	: .45
CP, 25 lb jars	...	.50	: .55
Amyl Acetate, tech., 50 gal drs	gal	2.45	: 2.70
Refined, 50 gal drums	...	2.85	: 3.50
Alcohol see Fuel Oil

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Chemicals

.43	Amyl Butyrate absolute cans . . . lb	1.20	1.30
1.27	ANILINE OIL , 960 lb drums . . . lb	1.20	1.30
.22	Hydro Bromide . . . lb	.75	
.23	Aniline Salt, 200 lb bbls . . . lb	.23	.24
.55	Annatto, fine . . . lb	.41	.48
.52	Anthracene 80-85% 600 lb casks . . . lb		
.09	wks . . . lb	.60	.65
.07%	Anthraquinone, sub 125 lb bbl . . . lb	.95	1.00
.11%	Antimony metal, slabs, tons lots lb	.24 1/2	.25
.13 1/2	Needle powd. 100 lb cases lb	.20	.21
.11%	Bromate . . . lb		1.50
.06	ANTIMONY CHLORIDE , anhyd 1000 lb . . . lb		
.06%	drs . . . lb	.16	.17
.05%	50 lb casks . . . lb	.45	.48
.14	Sol'n, 130 lb carboys 33" . . . lb		.06
.08	Oxide, 500 lb bbls . . . lb	.18 1/2	.19
.07	Sulfuret golden 250 lb bbls lb	.15	.16
.06 1/2	Crimson 250 lb bbls . . . lb	.25	.27
.12	Vermilion, 250 lb bbls . . . lb	.48	.50
5.00	Tartrolacate, 500 lb bbls . . . lb		.45
.20	Tribromide . . . lb		1.05
.18	Antipyrine, USP, 100 lb cases . . . lb	1.75	1.90
.37	Second hands . . . lb	1.70	1.75
.21 1/2	Apomorphine Hyehilde, 1/2 oz vis oz . . .		22.10
.38	Archil , double 600 lb bbls . . . lb	.13	.14
.12 1/2	Triple, 600 lb bbls . . . lb	.16	.17
.04	Cone, 600 lb bbls . . . lb	.18	.20
.80	Arecoline Hydrobromide, 1oz vialoz . . .	8.75	10.25
8.95	Argols, red powd., 350 lb bbls lb	.06 1/2	.07
1.00	Arsenic metal 220 lb kegs . . . lb	.45	.50
.00	Red, 224 lb kegs cases lb	.12	.12 1/2
.45	White 220 lb cases to 550 lb . . . lb		
.55	Bbls NY . . . lb	.03	.03 1/2
.70	Asbestine, c-l . . . ton	16.60	18.00
.50	le-l . . . ton	20.00	22.00
	Aspirin, see Acid acetylsalicylic		
	Atropine Alk., USP, 1 oz vial . . . oz	6.50	7.50
	Sulfate, 5 oz cans . . . oz		3.50
	Single ounce . . . oz		3.65

BARIUM BINOXIDE , see Barium dioxide			
Bromide . . . lb	. . .	.44	
Bromate . . . lb	. . .	.70	
Carbonate, precip., 300 lb bbls . . .			
wks . . . ton	52.00	54.00	
Precip., 200 lb bgs., wks, ton . . .	50.00	52.00	
Imports bags NY . . . ton	45.00	47.00	
Chlorate, 112 lb kegs NY . . . lb	.12	.12 1/2	
Chloride, 800 lb bbls wks . . . ton	66.00	68.00	
200 lb bgs., wks . . . ton	65.00	67.00	
Imports, large crystals, bbls . . .			
Spot . . . ton	60.00	62.00	
Dioxide, 88% 690 lb drs . . . lb	.13	.13 1/2	
Import, 86-88% 400 lb drs lb	.13	.13 1/2	
Hydrate, 500 lb bbls . . . lb	.04 1/2	.05	
Iodide, 5 lb box . . . lb		5.15	
Nitrate, 700 lb casks . . . lb		.10	
Imports casks . . . lb	.07 1/2	.08	
Sulfoeyanide 600 lb bbls . . . lb	.30	.31	
Barytes, floated 350 lb bbls wks ton	23.00	24.00	
Imported . . . ton	29.00	33.00	
Crude, c.l.f. . . . ton		9.00	
Bay Rum , Porto Rico, genuine			
Medicated salicyl. acid or tartar . . .			
45 gal bbls . . . gal	.90	.95	
Medicated quinine sulf., 45 gal . . .			
bbls . . . gal	.90	.95	
Domestic synthetic, 50 gal . . .			
Bbls . . . gal	.70	.75	
St. Thomas . . .			
Medicated salicyl. acid or tartar . . .			
emetic 50 gal bbls gal	.85	.90	
Benzaldehyde, tech., 945 lb drs . . .			
Benzaldehyde, tech., 945 lb drs . . .			
wks . . . lb	.65	.70	
USP, 40 lb chys . . . lb	1.15	1.30	
FFC, 40 lb chys . . . lb	1.40	1.50	
BENZENE , 90% 8000 gal tanks			
wks . . . gal	.24	.24	
110 gal drs wks . . . gal	.29	.29	
Pure tanks, wks . . . gal	.23	.24	
110 gal drs wks . . . lb	.28	.29	

Benzidine Base, dry 250 lb bbls lb	.72	.74
Benzidine Sulfate, paste 350 lb . . .		
bbls . . . lb	.68	.70
Benzol, see Benzene		
Benzonaphthol, 5 lb boxes . . . lb	3.50	3.60
Benzoyl Chloride, 500 lb drs . . . lb		1.00
Benzyl Acetate 100 lb chys . . . lb	1.30	1.40
Benzoate, 5 lb bot . . . lb	1.60	1.75
Medicinal FFC . . . lb	1.75	2.00
Chloride 95% tech., 925 lb drs lb		.25
100 lb chys . . . lb	.25	.30
Redistil. 160 lb chys . . . lb	.30	.35
Formate, 1 lb bot . . . lb	3.25	3.50
Berberine Hydchlide. 1 lb bot . . . lb		22.50
Sulfate, acid or neut. 1 lb bot lb		22.00
BETA-NAPHTHOL, 350 lb bbls wks lb		
		.24
Carlots wks . . . lb		.24
Sublimed . . . lb	.55	.60
Beta-Naphthylamine, tech., 200 lb . . .		
bbls . . . lb	.63	.67
Sublimed, 200 lb bbls . . . lb		1.35
Bichloride Mercury, see Mercury Bichloride		
BISMUTH metal, 100 lb cases . . . lb		
		3.50
Second hands . . . lb	3.15	3.25
Ammon, Citrate, USP, 5 lb cans lb		6.35
Betanaphtholate, 5 lb bxs . . . lb	3.85	3.90
Citrate, USP, 5 lb cans . . . lb		3.50
Chloride . . . lb	4.05	4.10
Hydroxide . . . lb		4.00
Nitrate, 25 lb jars . . . lb		2.35
Oxide anhyd . . . lb		4.20
Oxychloride, 25 lb bxs . . . lb		4.00
Phenolsulfonate, 5 lb cans . . . lb		3.55
Salicylate, 25 lb bxs . . . lb		2.45
Subcarbonate USP, 25 lb bxs lb		4.05
X-Ray diag 1 lb bot . . . lb		4.40
Subgallate, USP, 25 lb bxs . . . lb		3.16
Subiodide, 5 lb lots . . . lb		5.15
Subnitrate, USP, 25 lb jars . . . lb		3.35
Second Hands . . . lb	3.00	3.25
Cones, 1 lb bot . . . lb		4.35
Subsalicylate, USP, 25 lb bxs lb		3.55
Tannate . . . lb		3.10

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BISMUTH (Continued)			Butter of Antimony, see Antimony Chloride			CAMPHER (Cont.)		
above on basis 25 lb lots			Butyl Acetate, tank cans, wks .gal	1.80		1 lb cakes, 100 lb cs.....lb	.85%	
Smaller lots at an advance			Drums c-l wks .gal	1.84		1 oz. tab., 1 lb ctms.	.90	
Tri-Bromophenol.....lb	4.00		Aldehyde, 50 gal drums wks .lb	.75		100 lb cs.....lb	.90	
Blanc Fixe, dry 400 lb bbls wks ton	80.00	90.00	Propionate drums.....lb	.37	.40	Jap. ref., 2 1/2 lb slabs, 100 lb	.71%	
Imported, bbls.....ton	70.00	72.00	Tartrate, drums.....lb	.57	.60	ss.....lb	.71%	
Paste, 650 lb bbls c-l.....ton	55.00	65.00	CADMIUM, metal 100 lb bxs.....lb	.70	.75	1 oz. tab., 100 cs.....lb	.84	
BLEACHING POWDER, 700 lb drums			Bromide, 50 lb cases jars wks lb	1.15	1.20	oz.....lb	.84	
c-l wks contract.....100 lb	2.00		Iodide, 10 lb bot.....lb	4.45		1/2 oz. tab., 100 lb cs, 1 lb	.85	
le-1 wks contract.....100 lb	2.15		Sulfide, cs.....lb	1.20	1.25	tins.....lb	.85	
c-l spot wks.....100 lb	2.10		CAFFEINE ALK. USP, 5 lb cans lb	3.75	3.85	Crude, 100 lb cs.....lb	.84	
le-1 spot wks.....100 lb	2.25		Second Hands.....lb	3.50	3.60	Campbor, liniment, bbls.....gal	2.25	2.30
le-1 spot ex-warehouse, 100 lb	2.35	2.50	Citrated, 25 lb cans.....lb	2.70	2.85	Campbor Monobrom, 100 lb cs.....lb	1.85	1.90
300 lb drums c-l, wks contract 100 lb	2.25		Hydrobromide, 1 lb bot.....lb	4.85	4.90	Caramel, 50 gal bbls.....gal	.70	.80
c-l spot wks.....100 lb	2.35		Hydrochloride, 1 lb bot.....lb	6.05	6.55	Cartazol, 250 lb bbls.....lb	.50	
le-1 wks contract.....100 lb	2.40		Sulfate, 1 lb bot.....lb	5.40	5.90	Carbon Bisulfide, 500 lb drs 1st/NY lb	.06	.06 1/2
le-1 spot wks.....100 lb	2.50		CALCIUM, Acetate, 150 lb bgs e/l	3.25		e/l drums, NY.....lb	.05%	
Blood dried f.o.b. NY.....unit	4.00	.10	Arsenate, 100 lb bbls c-l wks. lb	.06	.06 1/2	Carbon Black, e/l wks. bgs.....lb	.08	
Chicago.....unit	4.20	.10	Bromate.....lb	1.50		100-300 lb cases 1st/NY.....lb	.12	
S Am. Shipment.....unit	4.15	.10	Bromide, 100 lb cs.....lb	.60		Decolorizing 40 lb bgs e/l.....lb	.08	.15
Blues, bronze Chinese, Milori			Carbide 220 lb dr. c-l wks .lb	.05 1/2	.06 1/2	90 lb drums. e/l.....lb	.08%	.15%
Prussian Soluble.....lb	.31	.32	Carbonate tech. 100 lb bags	1.00	1.10	Carbon Dioxide, Liquid, 20-25 cy. lb	.06	
Blue Vitriol, see Copper Sulfate			c/l.....100 lb	1.00	1.10	Tetrachloride, 140 lb drs del lb	.06 1/2	.07
Bone 3 & 50 gr. steam Chgo. ton	30.00		USP, precip. 175 lb bbls.....lb	.06 1/2		Drums c-l delivered.....lb	.06%	
Imp.....ton	35.00		Chloride, solid, 650 lb drs. e/l	21.00	23.00	Carmine, No. 40, 5 lb boxes.....lb	5.00	5.25
Raw, NY.....ton	34.00		f.o.b. wks.....ton	19.00	20.00	Casein, edib, 100 lb keg.....lb	.45	.65
Bone Ash, 100 lb kegs.....lb	.06	.07	Imp. 375 lb drs, e/l drs. f.o.b.	27.00		Tech., 200 lb bbls.....lb	.13	.13 1/2
Black, 200 lb bbls.....lb	.05 1/2	.05 1/2	Wks.....ton	.18	.20	100 mesh.....lb	.14 1/2	.17
Borax, crys., 400 lb bbls.....lb	.05 1/2	.05 1/2	Anhyd, 350 lb drs f.o.b. NY lb	1.40		Castor Oil, USP, 50 gal. bbls.....lb	.17	.17 1/2
Powdered, 300 lb bbls.....lb	.05 1/2	.06	Glycerophosphate, 250 lb bbls.....lb	.60	.65	Cases, 80 lb 2 tins.....lb	.18	.18 1/2
Kegs, 100-150 lb.....lb	.05 1/2	.06	Hydrate, see Lime			Tech see Fixed Oils		
Bordeaux Mixture, 16% pd. bbls. lb	.11 1/2	.18	Iodide, 5 lb bot.....lb	4.35		Caustic Potash, see potash, caustic		
Paste, bbls.....lb	.08	.10	Lacate, tech, 500 lb bbls.....lb	.35		Soda, see soda, caustic		
Borneol, See Aromatic Chemicals			USP.....lb	.50	.60	Cellulose Acetate 100 lb cases.....lb	1.55	1.65
British Gum com c-l.....100 lb	4.17		Nitrate, 220 lb bbls. e/l NY ton	50.00		ton lots.....lb	.50	1.50
le-1.....100 lb	4.27		Phosphate tech. 450 lb bbls lb	.09	.10	Cerium Oxalate, USP, 100 lb kegs lb	.33	.35
Bromide, see potass. bromide etc.			Phosphate, mono, 325 lb bbls lb	.07	.08	Chalk, drop 175 lb bbls.....lb	.03	.03 1/2
Bromine, bot. in 50 lb cs. wks lb	.45	.47	Sulfocarbide, 100 lb kegs.....lb	.85	.87	Precip. light 250 lb bbls cald lb	.04%	.04 1/2
Bromobenzene, 600 lb drums.....lb	.50		CAMPHER, Amer. ref. 250 lb			Precip. heavy 500 lb cald.....lb	.02%	.03%
Bromoform, USP, 5 lb bot cs.....lb	1.85	1.85	Bbls.....lb	.84		Bulk.....ton	5.00	
Brucein Alkaloid, 100 ozs.....oz	.10		2 1/2 lb slabs, 100 lb cs.....lb	.85%		Precip. English, 7 lb bags.....lb	.03%	.03%
Sulfate, 100 ozs.....oz	.10					Precip. heavy 500 lb cald.....lb	.03%	.03%
Second hands.....oz	.08 1/2							

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CHARCOAL			Chrysarobin Powd. 400 lb bbls			2.50	Colchicine alk., USP, 1 oz vial os			20.00
Hardwood, lump, bulk wks .....	.18	.19	Cinchonidin alk., powd 100 os, tins os .....	.60			Salicylate 1 oz. vial	35.50		35.50
Spot, NY .....	.24	.26	Crystal .....	.65	.68		Gallidion USP 30 lb drums .....	.23		
Wood, powd., 100 lb bbls .....	.04	.06	Cinchonidin Sulfate, 100 os tins os .....	.35			600 lb drums .....	.23		
Willow, powd., 100 lb wks bbls .....	.06	.06%	Resale, 100 os lots .....	.32	.33		Flexible, drums .....	.24	.25	
Chestnut, clarified, 25% tks, wks .....	.01%	.01%	Cinchonine alk. powd. 100 os tins os .....	.35			COPPER metal electrolyte a/l			
Bbls, wks .....	.02	.02%	Crystal .....	.43			NY	14.00	14.12 1/2	
Powd. 60% 100 lb bags wks .....	.05%	.05%	Sulfate 100 os tins .....	.35			Lake c-l NY	14.12 1/2	14.25	
Decolorized bags wks .....	.06%	.07					Casting c-l NY	13.62 1/2		
China clay, Dom bulk wks	6.00	9.00	Clitic Acid, see Acid Clitic				Carbonate 400 lb bbls .....	.16%	.17 1/2	
Washed & Ground, wks	11.00	15.00	Clitine Ointment, see Mercury				Chloride, 250 lb bbls .....	.28		
Imp., Filler Clay	15.00	23.00	Coal Tar, See Tars				Cyanide, 100 lb drums .....	.48	.50	
Coating	20.00	25.00	Cobalt metal, 100 lb kegs	2.50	3.00		Iodide, 5 lb bot. .....	.58		
Chinoidin, 140 lb drs .....	.49		Cobalt Oxide, 500 lb bbls	2.00	2.10		Oxide, red 100 lb bbls, ton lots .....	.16 1/2	.17	
Chloral Hydrate, USP 100 lb drs .....	.60	.65	10 lb tins, 200 lb cases	2.20			Sub-Acetate, verd. 440 lb bbls .....	.20	.21	
25 lb jars .....	.68	.70	COCAINE alk., USP, 1 os. vial, os	10.57			SULFATE crys, 450 lb bbls lc/l			
Chloramine-T, 200 lb bbls	1.85	1.50	Hydrochloride, USP—1 os. vials,	8.07			spot	4.55	4.65	
Chloroform, 5 lb bot. .....	.55	.65	25 os.	8.07			Carlots bbls spot	4.35	4.40	
Chlorhydrin, Ethylene anhyd. 600 lb			In 1/4 os vials	8.50			Carlots bbls FOB NY 100 lb	4.35	4.40	
drums .....	.75	.85	In crystals, granular, powder,				Powdered, 350 lb 5 bbls 100 lb	5.60	5.65	
40% soln. 100 lb cys .....	.25	.30	or flaky crystals as desired.				Copperas bulk c-l NY wks	12.00	13.00	
CHLORINE , Liquid, tank or multi-			Cocoa Butter, bulk, 300 lb bbls	.29	.31		200 lb bbls c-l wks	15.00	16.00	
undrt car wks contract .....	.04		c-l				400 lb bbls c-l wks	18.00	17.00	
Tank car spot wks .....	.04%		Fingers, cakes, etc., 12 lb bbs .....	.37			Powdered, bbls	1.90	2.00	
Carlots cyl. wks, contract .....	.05%		CODEINE , alk., os. vials. 10 os.				Sugar, 400 lb bbls	1.25	1.35	
spot, wks .....	.05%		lots	9.87			Corn Syrup, 42 deg., 50 gal			
lc-l cyl. wks, contract .....	.08	.09	Hydrobromide, 1 os. vials, 10 os.	7.93			bbls	3.31		
Spot wks .....	.08 1/2	.09 1/2	lots	7.42			43 deg. 50 gal bbls	3.36		
Chlorobenzene, mono. 100 lb drs .....	.08	.10	Hydrochloride, 1 os. vials, 10 os.	7.42			44 deg. 50 gal bbls	3.43		
wks .....	.07%		lots	8.87			45 deg. 50 gal bbls	3.50		
Drs. c/l wks .....	.07%		Nitrate, 1 os. vials, 10 os. lots os	7.42			Corn Sugar, see Glucose			
Tank car lots wks .....	.07%		Phosphate, 1 os. vials, 10 os.	7.42			Cotton Soluble, 100 lb bbls wet lb .....	.40	.42	
CHLOROFORM USP, 50 lb. drs .....	.28	.30	lots	7.42			Cottonseed, Meal, 7%	34.00	35.00	
Second Hands, 650 lb drs .....	.25	.27	Salicylate, 1 os. vials, 10 os.	7.42			Commartin, 25 lb tins 100 lb	3.10	3.25	
Technical, 650 lb drums .....	.22	.25	lots	7.42			CREAM TARTAR, USP, 300 lb			
Chlorophyll, Oil Sol.	2.50	2.75	Sulfate, 1 os. vials, 10 os. lots os	7.93			bbls .....	.23	.23 1/2	
Water Sol.	3.75	4.00	Small sizes, 1/4 os. vials, 50c extra.				Imp., powd., USP, 224 bbls .....	.31	.21%	
Chromium Acetate , 20° soln. 400 lb			1/4 os. 30c extra, singles 7c extra				Cresote, USP, 42 lb chys .....	.40	.43	
bbls .....	.05%		per os.—25 os lots, 10c os. cheaper				Carbonate, 100 lb., 50 lb.,	1.70	1.80	
Fluoride, Powd., 400 lb bbls .....	.24	.26	than above. Less than 10 os. 15c os.				Cresote Oil, 50 gal drs .....	.13	.15	
Oxide, Green, bbls .....	.34 1/2	.35 1/2	higher than above				Cresol, USP, 400 lb drums .....	.20	nom.	
Chrome Greens, CP26 1/2	.38	COCLIVER OIL , Norwegian, 30 gal	38.50	42.00		Cudbear, English19	.30	
Comm.08 1/2	.11	bbls							
Chrome Yellow15	.20								

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Chemicals

Cuteh Bangoon 100 lb bales .. D	.. 22	Divi Divi Extract .. D	.. 04	nom	Ethylene Glycol .. D	.. 30	.. 40
Tablets, 120 lb boxes .. D	.. 13	Feds bags ship .. ton	48.00	50.00	Tri Chloride .. D	.. 10	.. 10 1/2
Borneo solid, 100 lb bales .. D	.. 05 1/2	Dover's Powder USP, 5 lb tins .. D	.. 2.50	.. 2.50	Ethylidenaniline .. D	.. 62	.. 65
Cyanamide, bulk c/l wks, Amm unit	1.90	subsidine Sulfate, 1 oz. vial .. D	.. 30.07	.. 30.07	Eucalyptol, 25 lb cans .. D	.. 90	.. 90
Imp .. Amm unit	2.00	EARTH, Diatomaceous, see Kieselguhr			Feldspar, bulk .. ton	20.00	25.00
Cyclohexanol, see Hexalene		Egg Yolk, 200 lb cs .. D	.. 55	.. 60	FERRIC CHLORIDE, tech. crys.		
Cymene. See Para-Cymene		amine alk., 15 gr. vial .. D	.. 1.30	.. 1.30	475 lb bbls .. D	.. 05	.. 08
Dextrin, white corn 140 lb bgs.		Hydride, USP, 1 oz. vial .. D	.. 17.00	.. 17.57	Imported .. D	.. 04 1/2	.. 05
e-l .. 100 lb .. D	.. 3.87	15 gr. vials .. D	.. 82	.. 82	C.P. crys. 100 lb bags .. D	.. 10	.. 10
bags e-l .. 100 lb .. D	.. 3.97	EPSOM SALT, tech. 300 lb bbls .. D	.. 2.15	.. 2.15	Imported .. D	.. 08	.. 08 1/2
Canary .. 100 lb .. D	.. 3.92	NY .. 100 lb .. D	.. 2.00	.. 2.00	Neut. sol'n 42° 140 lb chys. .. D	.. 06 1/2	.. 07
bags le-l .. 100 lb .. D	.. 4.02	Bbls. c/l NY .. 100 lb .. D	.. 1.50	.. 1.75	46° 140 chys. .. D	.. 08	.. 08 1/2
Potato, white, 220 lb bags 1c/1lb	.. 08 1/4	Imp. 220 lb bgs e-l .. D	.. 1.25	.. 1.25	NSP Sol'n 125 lb chys. .. D	.. 06 1/2	.. 07
Yellow 220 lb bags .. D	.. 08 1/4	NY .. 100 lb .. D	.. 1.25	.. 1.25	Bromide, solution .. D	.. 55	.. 55
Tapoca, 200 lb bags 1/1 lb .. D	.. 07 1/4	ORF. 200 lb bbls. 10 bbls. 100 lb	.. 2.50	.. 2.50	Ferrous Bromide, sol'n .. D	.. 55	.. 55
DIAMINOPHENOL, 100 lb bags .. D	.. 3.80	Carlots, bbls. .. 100 lb	.. 2.25	.. 2.25	Chloride, crys tech 475 lb bbls D	.. 05	.. 06
Dianyl Phthalate drms wis .. gal	4.00	Imported, 400 lb bbls. 100 lb	.. 1.85	.. 1.90	Sulfide, 1000 lb bbls .. 100 lb	2.50	3.00
Dianisidine, 100 lb bags .. D	3.50	Carlots, bbls. .. 100 lb	.. 6.00	.. 6.00	Fish Scrap, dried wis .. unit	4.25	4.10
Dibutyl Phthalate, wis .. D	.. 4.0	Ergotin, Bonjean, 1 lb jars .. D	.. 30.07	.. 30.07	Acid Bulk 7 & 3 1/2, Deliv.		
Dibutyl Tartrate, 50 gal drums D	.. 55	Lactine alk., 1 oz. vial .. D	.. 24.00	.. 24.50	Norfolk & Balt basis .. unit	nom.	nom.
Dichlorobenzene, 1000 lb drs .. D	.. 08	Saleplate, USP, 1 oz. vial .. D	.. 18.00	.. 18.50	Pink-White, see lead white		
Dichloromethane, Drums wis .. D	.. 23	Sulfate, USP, VIII, 1 oz. vial .. D	.. 18	.. 18	Flavine Lemon 55 lb cs .. D	.. 90	.. 95
Diethylamine, 400 lb drs .. D	.. 3.35	ETHER, USP, 55 lb drums .. D	.. 19	.. 19	Orange 70 lb cs .. D	.. 85	.. 90
Diethylamine, 850 lb drs .. D	.. 55	ANESTHESIA, 55 lb drums .. D	.. 45	.. 45	Fluorspar, 95% 220 lb bags, ex-		25.00
Diethyl Carbonate, drms .. gal	1.85	USP, 1880 55 lb drums .. D	.. 37	.. 37	dock .. ton	.. 35.50	.. 35.00
Diethyl Phthalate 25 lb cans .. D	.. 40	Wauched, 55 lb drums .. D	.. 30	.. 32	98% bgs. .. ton	.. 35.50	.. 35.00
1000 drs .. D	.. 35	Motor 1 lb bottles .. D	.. 90	.. 95	FORMALDEHYDE, USP 400 lb bbls.		
Diethyl Sulfate tech. 50 gal. drs D	.. 20	Ether, Nitrous, 1 lb bot. .. D	.. 1.05	.. 1.05	e-l wis .. D	.. 09	.. 09 1/2
CP drums .. D	.. 40	Ethyl Acetate, 98% 50 gal drs gal	.. 85	.. 85	Carboys 100 lb le-l wis .. D	.. 10 1/2	.. 10 1/2
Digitalin. Pure, 1 oz. vial .. D	9.75	85% Ester, 100 gal drs gal	.. 82	.. 82	Bbls 400 lb le-l wis .. D	.. 09 1/2	.. 09 1/2
high test .. D	15.00	Carlots, drums .. gal	1.73	1.85	Formaldehyde Aniline 100 lb drums D	.. 39	.. 42
Dimethylamine 840 lb drs wis D	.. 31	Refined, drums .. gal	1.00	1.10	Powell Flour .. D	.. 82 1/2	.. 84
Dimethylamine, 400 lb drs .. D	.. 2.60	Aceto Acetate drums wis .. D	1.05	1.10	Formaniline .. D	.. 38	.. 40
Dimethylsulfate, 100 lb drs .. D	.. 45	Benzyl Aniline, 300 lb drs .. D	.. 50	.. 50	Imported, 230 lb bags, NY .. ton	35.00	40.00
Dinitrobenzene, 400 lb bbls .. D	.. 14 1/2	Bromide, 115 lb drs .. D	1.10	1.20	Furfural, 500 lb drums .. D	.. 23	.. 25
Dinitrochlorobenzene, 400 lb bbls D	.. 15	Butyrate cans, .. D	26	35	Ton lots .. D	.. 20	.. 20
Dinitrochlorine, 300 lb bbls .. D	.. 18	Lactate drums wis .. gal	4.00	4.15	Fusel Oil, 10% Impurities drs gal	2.00	2.25
Dinitronaphthalene, 350 lb bbls D	.. 33	Methyl Ketone, 50 gal drs .. D	.. 30	.. 31	Refined .. D	3.25	3.50
Dinitrophenol, 350 lb bbls .. D	.. 31	Morphine, see Morphine, Ethyl	.. 45	.. 55	Fustic, solid 50 lb boxes .. D	.. 30	.. 33
Dinitrotoluene, 300 lb bbls .. D	.. 15	Oxalate drums wis .. D	.. 75	.. 85	Crystals, 100 lb boxes .. D	.. 30	.. 33
Dionin. see Morphine, Ethyl		Ethylene Bromide, 400 lb drs .. D	.. 15	.. 20	Liquid, 51°, 600 lb bbls .. D	.. 09	.. 10
Diorthotolylguanidine, 275 lb D		Chlorhydrin, anhyd. 50 gal. drs D	.. 20	.. 25	Fustic, sticks .. ton	30.00	32.00
bbls, wis .. D	1.10	Dichloride, 50 gal drs .. D	.. 15	.. 20	Case .. D	.. 04	.. 05
Diphenylamine .. D	.. 48	Tank cars .. D	.. 10	.. 10	c SALT, paste 350 lb bbls. basis		
Diphenylguanidine, 5,000 lb, .. D	.. 95				Gall extract .. D	.. 30	.. 31
100 lb .. D	.. 95						

Dovan

IT IS in the spirit of the season that we extend cordial greetings to our many friends in the industry, and wish them a large measure of prosperity for the New Year.

Dovan Chemical Corp.

30 Church St. - New York

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J. A. Kendall, Akron, Ohio; J. E. Odell, Boston, Mass.; American Oil & Supply Co., Trenton, N. J.; T. E. O'Reilly, Ltd., Toronto and Montreal; Martin, Hoyt & Milne, San Francisco and Los Angeles; Buckleton & Co., Ltd., 13 Rumford St., Liverpool, England.

PRICES CURRENT SECTION

Mallinckrodt

BEECHWOOD
CREOSOTE

Creosote U. S. P.

Creosote Carbonate U. S. P.

Guaiacol Liquid U. S. P.

Guaiacol Carbonate U. S. P.

These products are now seasonable.
Inquiries solicited

MALLINCKRODT CHEMICAL WORKS

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MONTREALNEW YORK
PHILADELPHIA

Chemicals

10%	Camblair 25% liq. 450 lb bbls	.. D	.12	: .14
.60	Common, 200 lb cases	.. D	.19%	: .20
.85	Singapore cubes, 100 lb bags	.. D	...	: .25
5.00	Camblair USP silver hbl. 100 lb cs	.. D	.60	: .65
	Gold Label, 100 lbs	.. D	...	: 1.00
.08	Technical, 100 lb cs	.. D	.45	: .50
.85	Pure Food, 50 lb bbls	.. D	.55	: .60
.10	Sheet	.. D	.53	: .55
.06%	LAUBER'S SALT, tech. 200 lb bags			
.07	1/1 wks., ....100 lb		1.10	: 1.20
.08%	e/l wks. ....100 lb		1.35	: 1.45
.07	350 lb bbls, e/l wks. ....100 lb		1.25	: 1.35
.55	Bbls. l/e/wks. ....100 lb		1.50	: 1.60
.88	Imported, bags NY	.. D	.75	: .80
.06	USP, 300 lb bbls. Imp. sp. 100 lb	.. D	...	: 1.25
.10	USP, 300 lb bbls. dom. sp. 100 lb	.. D	...	: 1.75
.10	USP, 300 lb bbls. e/l wks. 100 lb	.. D	...	: 1.45
	Calciated, see Sodium Sulphate			
nom.	Glucose, (Grape Sugar) dry, 100			
.95	70° bags e-l NY	.. D	3.14	: 3.24
.90	80° bags e-l NY	.. D	3.24	: 3.34
	Tanners' Special 100 lb bags 100 lb	.. D	...	: 3.14
.50	AlUe, pure white, bbls	.. D	.22	: .26
.50	Medium white, bbls	.. D	.30	: .34
.00	French bbls	.. D	.18	: .20
	High Grade, bbls	.. D	.35	: .40
.09%	Bone, regular, bbls	.. D	.10	: .13
.10%	Swb. bbls	.. gal	1.50	: 1.75
.09%	Hide bbls	.. D	.14	: .24
.42	GLYCERIN, C.P. 550 lb drms	.. D	.25	: .30
.20	Cans, 50 lb	.. D	.27%	: .28
.40	Dynamite 100 lb dr	.. D	.24	: .25
.20	Saponification tanks	.. D	.17%	: .18
.25	Soap, Lye tanks	.. D	.15%	: .16
.25	Gao Powder, see chrysoarotin			
.30	Graphite, crude, 320 lb bags	.. ton	15.00	: 35.00
.23	Flake, 500 lb bbls	.. D	.05	: .09
.23	Ground USP	.. D	.04	: .05
.30	Camblair Liquid USP, 100 lb chrys	.. D	2.00	: 2.25
.90	Crystals	.. D	2.25	: 2.50
.08	Bismutate, 1 lb bot.	.. D	...	: 13.00
.00	Carbonate, 5 lb boxes	.. D	2.50	: 2.75
.21	Second Hands	.. D	2.10	: 2.15

HAARLEN OIL, Dom. 6 gr cs gr	3.10	3.25
Imported 5 gr cass	...	3.65
Malton 5 lb bot	2.75	3.35
NEMATINE, Paste, 500 lb bbls.	.09	.12
Crystals, 400 lb bbls.	.12	.20
Hemlock, 25% 600 lb bbls. wks	...	.03%
Hemlock, bark	...	.30.00
Herschellrothane Drums wks	...	.45
Hexalene, 50 gal drs, WSP	...	4.75
Hexamethylenetetramine, uba	...	...
100 lb drums	.60	.62
Imported	...	.58
Rubber Makere, Impalp. Pd	...	...
drs	.80	.82%
Homotropine Hydrobrom. USP 1 oz	...	...
vials	...	14.50
Five oas, 1 oz vials	...	13.50
Hydrastine, Alk., USP, 1oz vial	.05	21.00
Hydchile, USP, 1 oz vial	...	21.00
Second Hands	...	16.00
Sulfate 1 oz vial	...	23.00
Hydrastine Hydenile, CSP 15 gr	...	...
vials	...	40.00
Hydrobenzene 100 lb kegs	...	...
HYDROGEN PEROXIDE, 25vol. 400 lb	...	...
bbls.	.07	.07%
100 vol. 140 lb chys	.32	.34
USP Soln. 375 lb bbls.	.04	.05
100 vol 145 chys	...	.48
USP bot. 4 oz cass	7.75	8.00
Bot. 8 oz cass	11.10	12.00
Bot. 16 oz cass	18.35	19.00
Hydroquinone, 100 lb kegs	1.25	1.50
Hyocine Hydrobrom, USP 1 oz	...	...
vial	...	13.57
Five oz, 1 oz vial	13.07	13.57
Hyocine Hydenile Alk Cryst, 1 oz vial	...	35.07
Alkaloid, Amorphous, 1oz vial	...	55.07
Hydrobromide, USP, 1 oz vial	...	75.07
Sulfate, 1 vial	...	35.07
Hyperic, 51% 600 lb bbls.	.12	.15
Hyperic, chips	...	.06%
Indigo. Macras. bbls.	1.25	1.50
20% paste drums	.14	.15
IODINE, crude 200 lb kegs	4.20	4.25
Brominated, 100 lb jars	4.85	4.70

Iodine Tinct USP, 50 gal bbl.	gal	4.85
Carbonyl	gal	4.90
Second Hand	gal	4.85
Crystall 10 lb	lb	6.94
Iodides, see Potas. Iodide, etc.		
Iodoform, powd., 10 lb bot.	lb	6.00
Iridium, metal 10 cm. lots.	ozs	260.00
Iron, metal by hydrogen 1 lb bot.	lb	7.70
IRON & AMM. CITRATE, USP 50 lb		
Green scales, 500 lb	lb	69
Bromide	lb	69
Cacodylate, 100 lb bot.	lb	1.10 1.22
Citrate, USP VIII 25 lb cans.	lb	8.00 8.10
Chloride, see Ferric or Ferrous		
Hypophosphite, 5 lb cans.	lb	.94 1.01
Syrup USP 5 lb. bot.	lb	1.55 1.60
Iodide, 1 lb bot	lb	.35 .36
Syrup, USP 5 lb bot.	lb	.68
Nitrate, kegs	lb	4.28
Com'l, bbls	100 lb	.35 .36
Oxalate scales, 25 lb cans	lb	.09 .10
Oxide, red, Spanish	lb	2.50 3.25
English	lb	.88 .97
Perchloride, see Ferric Chloride		
& Ammon, Oxalate, 25 lb bms	lb	.03% .03%
& Potassium Oxalate, 250 lb	lb	.10 .13
bbls	lb	
& Sodium Oxalate, 94 lb bms.	lb	.37 .40
Phosphate, USP 50 lb	lb	.40 .43
Pyrophosphate, USP, 50 lb	lb	.32 .36
JALAP RESIN, lump, 5 lb tins	lb	.52 .56
Powd. tins	lb	.60
KIESELGUHR, 95 lb bags NY.	lb	.74
LANOLIN see AOPS Lanac		
Larch, 25%, 600 lb bbls wks	lb	4.90
Powd., 100 lb bags	lb	4.85
LEAD, metal c-1 NY	lb	70.00
Acetate, white crystals 50 lb	lb	
bbls, wks.	lb	.14% .15
100 to 250 lb kegs, wks.	lb	.15% .16
White, broken, bbls, wks. 100 lb	lb	15.00
White, gran bbls, wks. 100 lb	lb	15.00 15.50
White, powd. bbls wks 100 lb	lb	15.00 15.50
Brown. broken bbls wks	lb	.13% .14

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Various Grades of English
in Lumps and Powder

**FELD SPAR
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American Cyanamid Co.
511 Fifth Avenue, New York

PRICES CURRENT SECTION

Chemicals

LEAD ACETATE (Cont.)

USP, 100 lb kegs	.19	.19%
Arsenate, 100 lb kegs	.13	.14
Bbls. c/l wks	.12%	.13
Bbls. 1c/l wks	.13	.13%
Paste, 100 & 600 lb bbls	.08	.09
Iodide, USP, VIII 5 lb bot.	3.20	3.40
Nitrate, 500 lb bbls. wks		.14
Oxide, litharge, 500 lb bbls		.11%
100 kegs wks		.14%
Oxide, red, 500 lb bbls. wks		.12%
100 lb kegs wks		.12%
Oleate, bbls.		.17%
Peroxide, 100 lb drs.	.25	.30
White, basic carb. 500 lb bbls.		
wks		.10%
100 lb kegs wks		.14%
White sulfate 500 lb bbls. wks		.10
Licorice Ext. Mass case	.21	.22
Compound powder, bbls	.11	.13
Powdered	.35	.36
Sticks, 1 oz. 100 lb case	.30	.35
LIME. (Salts, see Calcium Salts)		
Ground Stone, bags		4.50
Live, Bulk		8.50
Live, 325 lb bbls. ton lots		
wks. 100		1.05
Single bbl., wks. 100 lb		1.08
Hydrated, 187 lb bbl. ton lots		
wks.		.85
Single bbl. wks.		.61
Oyster Shell, 150 lb bbl. sing. lb		.03%
Sulfur, dry 200 lb drs NY		.08%
Dr. e/l NY		.08
33° Soln. 50 gal bbls NY gal	.15	.14
Linalool, 5 lb bot.	6.25	6.75
Litharge see lead oxide		
Lithium Carb. USP, 100 lb kegs	1.45	1.50
Bromide, 100 lb ca.	1.80	1.90
Citrate, USP, 100 lb kegs	1.70	1.75
Iodide 5 lb bot		3.40
Lithopone, 400 lb bbls. 1c/l wks		.06%
Bbls. c/l wks		.05%
Bags. c/l wks		.05%

LITHOPONE (Continued)

Imported, 400 lb Bbls	.05%	.06
Litmus Cubes	.90	1.00
Second hands		.75
Logwood, 51°, 600 lb bbls	.08%	.08%
Lower grades	.07%	.08
Solid, 50 lb boxes	.12	.15
LOGWOOD, sticks	26.00	27.00
Chips, 150 lb bags	.03	.03%
Luminal, see Phenylethylmalonyurea		
Madder, Dutch		.30
MAGNESITE calcined, 500 lb bbls	14.25	17.50
Magnesium, mil. sticks 100 lb cs f.e.b.		
wks		.85
Bromate		1.50
Carb tech 70 lb bags NY	.06%	.06%
75 lb bbls NY	.08	.08%
USP, 100 lb bbls	.09%	.10
English oz. Blocks	.17	.19
Chloride, fused 575 lb drs. c/l		
wks		34.00
Flaked, 350 lb drs. wks c/ton		36.00
Imp. Flake Shipt	30.50	31.00
Imp. fused 900 lb bbls NY	28.00	30.00
Fluocilicate, crystals 400 lb bbls.		
wks	.13	.15
30% soln. 500 lb bbls wks	.07	.07%
Soln. bbls. c/l wks		.06
Glycerophosphate, 5 lb tins	3.20	3.25
Hypophosphite, 5 lb cans		1.05
Oxide, USP light, 100 lb bbls		.42
USP, heavy, 250 lb bbls		.50
Peroxide, 5 lb cans		2.40
Pertorata, 1 lb tins		2.62
Salicylate, 100 lb kegs	.75	.80
Sulfate see Epsom Salts		
Manganese Borate, 30%,		
200 lb bbls		.24
100 lb kegs		.25
Chloride, 600 lb cans	.06	.06%
Dioxide, 80-84% 900 lb bbls		
NY	86.00	85.00
85-90% 900 lb bbls NY ton	85.00	90.00

MANGANESE DIOXIDE (Cont.)

Hydrated, precip. 100 lb keg	.15	.23
Glycerophosphate, 5 lb tins	2.90	3.00
Hypophos USP VIII 5 lb vans	1.35	1.40
Iodide, 1 lb bot	8.40	8.85
Ore. bulk C.I.F. NY	.43	.44
Sulfate 550 lb drums NY	.07	.07%
Mangrove, 55% 400 lb bbls	.03%	nom.
Mangrove, bark, African		44.00
Marble Flour, bulk	10.00	12.00
See also Calcium Carbonate		
MENTHOL, USP, 60 lb cases	7.00	7.75
Less case, 5 lb tins		7.50
Synthetic		6.50
MERCURY, metal 75 lb flasks flask	88.00	89.00
Less Flasks 5 lb jugs		1.38
Bichloride, cryst. 25 lb bxs		1.31
Gran. powd. 200 lb kegs		1.16
Bisulfate, 25 lb boxes		1.14
Blue Mass, 25 lb boxes		.74
Powdered, 25 lb boxes		.76
Blue Ointment, USP, 25 lb cans		
50%		.99
USP, dilute 25 lb cans 30%		.74
33% Mercury		.80
Calomel, 50 lb bxs		1.45
Citrine Ointment 25 lb jars	.51	.53
Iodide, green 25 lb jars		4.10
Fed. USP, 25 lb jars		4.20
Yellow, USP, VIII 25 lb jars		4.10
Oxide, Yellow, USP, 25 lb bxs	2.00	2.04
Tech.		1.43
Red Precip. USP, 25 lb bxs		1.56
Powder, USP, 25 lb bxs		1.66
White Precip. USP, 25 lb bxs		1.67
Powdered, USP, 25 lb bxs		1.72
With chalk, USP, 25 lb bxs		.74
Meta-Nitroniline	.73	.77
Meta-Nitro-para-Toluidine, 300 lb		
bbls		1.80

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Sodium Phosphate 98/100 Dibasic
Sodium Sulphide 60/62 and 30/32
Sodium Hyposulphite


Write or cable us for a quotation.

Chemicals

Meta-Phenylenediamine, 300 lb		
bbls	.85	.90
Meta-Toluylenediamine, 300 lb		
bbls	.73	.77
METHANOL (Wood Alcohol)		
95% tanks	.55	
Drums, c/l	.57	
Drums, 1c/l	.62	
97% tanks	.57	
Drums, c/l	.59	
Drums, 1c/l	.64	
Pure, Acetate free, tks	.65	
Drums, c-l	.68	
Drums, 1c-l	.70	
Bbls, incl. 6c higher		
U.S. denat. grd., tanks	.65	
Drums c-l	.68	
Drums 1c-l	.70	
Methyl Acetate drums	.95	
Methyl Acetone, 100 gal drums	.83	.85
Tanks, rare	.86	
Chloride, 90 lb cyl	.60	.65
Salicylate, USP, 50 lb cans	.43	
500 lb drums	.41	
Methylene Blue, tech. 100 lb kgs	1.30	1.50
USP, medicinal 5 lb cans	2.10	2.25
Michler's Ketone, 225 lb bbls	3.00	3.25
Milk, powd., 150 lb bbls	.14	.15
Milk Sugar, see sugar of milk		
Mineral Oil, see oil mineral		
Mineral Rubber	35.00	75.00
Mining Salts Drums wks		.33
Monobromobenzene See Bromobenzene		
Monacrine, See Acetone		
Mono-chlorobenzene, see chlorobenzene		
Methylaniline, 900 lb drs		1.05
Monomethyl para-diphenol sulfate,		
100 lb drs	3.95	4.30
MORPHINE ALK., USP 5 oz tins oz	9.20	9.30

MORPHINE - Contd.		
Acetate, 5 oz tins 10 oz lots	.735	
Hydrobromide, 5 oz. tins 10 oz		
lots	.735	
Hydchlide, 5 oz. tins 10 oz		
lots	.735	
Ethyl Hydchlide, 5 oz tins 10		
oz	.825	
Sulfate, 5 oz tins 10 oz lots	.735	
Small Sizes: 1/4 oz. vials, 50c extra;		
1/2 25c extra; single oz. vials, 7c ex-		
tra, over price for 5 oz. tins. 25 oz		
lots in 5 oz. tins, 10 oz. lower than		
above schedule. Less than 10 oz. lots		
15c or higher than above schedule.		
Musk Ambrette, 1 lb cans	10.50	11.75
Myrobalsan, 25%, liquid bbls	.04	.04 1/2
50% solid, 50 lb boxes	.08	.08 1/2
Myrobalsan, bags J-	43.00	45.00
R2		
New crop		34.00
J2		
New crop		35.00
NAPHTHA, see solvent Naphtha		
JAPHTHALENE, Flake. 175 lb bbls		
wks	.05%	.06
Bbls, c-l wks		.05%
Bbls, second hands NY		.05%
Balls, 250 lb bbls wks		.06%
Bbls c-l wks		.06%
Bbls second hands NY		.06%
Crushed, shipped, bgs. wks		.06
Crude, imp, bags	.01 1/2	.02
NICKEL		
Ingot, 100 lb kegs		.34
Chloride, bbls, kegs	.21	.24
Oxide 100 lb kegs, NY	.38	.40
Salt single 400 lb bbls NY	.08	.08 1/2
Double 400 lb bbls, NY		.08 1/2 .09
Sulfate, See Nickel Salt, single		
Nickel Metal, electrolytic	.100 lb	34.00
Nicotine, Free 40% 8 lb tins c-l	1.10	1.20
NITRATE SODA, spot, See Sodium Nitrate		
Nitre Cake, bulk wks	4.50	5.50
500 lb bbls	13.00	14.00

Nitrobenzene, crude, 1000 lb dra		
wks	.09 1/2	.10
Redistilled, 1000 lb drs wks	.10	.11
Nitrogenous Material bulk, unit		3.60
Nitronaphthalene, 550 lb bbls		.35
Nitrotoluene, mixed 1000 lb dra		
wks	.14	.15
Nutgalls, see Crude Drugs		
Oak bark, whole	20.00	23.00
Ground	45.00	50.00
Oak, tanks, wks		.03 1/2
23-25% liq., 600 lb bbls wks	.04	.04 1/2
Solid, powd	.07 1/2	.08
Ochre		.03 1/2
Oil Fuel, see Fuel Oil		
OIL MINERAL, wh, 50 gal bbls gal	.80	.90
Russian	.95	1.00
OIL Mirbane, see nitrobenzene		
Orum, see crude drugs		
Orange Mineral, 1100 lb casks NY		.14%
700 lb bbls NY		.14%
Ortho-Aminophenol, 50 lb kegs	2.15	2.25
Ortho-Anisidine, 100 lb drs	2.75	3.00
Ortho-Dichlorobenzene, see Dichlorobenzene		
Ortho-Nitrochlorobenzene, 1200 lb		
drs, wks	.32	.35
Ortho-Nitrophenol, 350 lb	.90	.95
Ortho-Nitrotoluene 1000 lb dra		
wks	.13	.15
Ortho-Toluidine 350 lb bbls	.20	.25
Osage Orange, 51° liquid	.07	.07 1/2
Powd., 100 lb bags	.14 1/2	.15
Crystals	.16	.17
Orgall, USP, 5 lb bot.	1.75	2.50
Purified, 5 lb bot.	2.00	2.50
Crude, 5 lb bot.	1.00	1.25
PALLADIUM, metal 10 oz lots	80.00	81.00
Pancreatin, USP, 5 lb bot	2.25	2.50
Papain, 10 lb bot. USP Powd.,		3.50
Crude, 150 lb cases		
Paraffin, ref'd 200 lb ca. slabs		
118-120 Dek M. P.	.08	.09
123-127 Deg. M. P.	.04 1/2	.04 3/4



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Chemicals

PARAFFIN (Cont.)			PARIS GREEN (Cont.)			Phthalic Anhydride, 100 lb. bbls.		
132-133 Deg. M. F.	D	.07% : .07%	Packages, 5 and 1 lb.	B	.23 : .24	whs D	.18	.20
133-137 Deg. M. F.	D	.08 : .09%	Packages, 1 lb., ½ lb., ¼ lb.	B	.25 : .26	Phthalic Anhydride, USP 25 lb. lots, 1 oz. vials D	4.00	4.50
138-140 Deg. M. F.	D	.08% : .10	Paris White, see whiting, French			Nitrate, 25 lb. D		4.50
Para-Aminocresol, 100 lb. kgs.	D	1.00 : 1.05	Pepton, USP, 5 lb. bot. 1:3000	B	2.50 : 2.75	Single, oz. D		4.50
Para-Aminophenol, 100 lb. kgs.	D	1.10 : 1.15	1:6000 bottles B	5.00	5.25	Alkaloid, 15 gr. via D		.80
Hydrochloride, 100 lb. kgs.	D	1.25 : 1.30	1:10,000 bottles B	8.35	8.50	Pine Oil, std. dist. bbls.	gal	.60
Para-Dichlorobenzene, 150 lb. bbls.	D		Peptone, powd., 5 lb. B		1.25	Destructive dist. D	.65	.64
whs D		.17 : .30	PETROLATUM, green 300 lb. bbls.	B	.02% : .03	Piperazine Hydrate, 1 lb. bot.	D	15.00
35-60 lb. kgs. D		.15 : .22	Dark Amber, 300 lb. bbls. B		.04%	Piperidine, 25 oz. D	1.10	1.30
Paraaldehyde, USP, 100 gal. drs.	gal	.48	Light Amber, 300 lb. bbls. B		.04%	Pitch, Coal-Tar, whs. ton	24.00	26.00
Tech. D		.30	cream White, USP 300 lb. bbls.	B	.07	Pitch, prime bbl	8.00	10.00
Para-Cymene, Refd., 110 gal. drs.	gal	2.25 : 2.50	Lily White, USP, 300 lb. bbls.	B	.07%	Plaster Paris, tech 250 lb. bbls.	bbl	3.30
Paraformaldehyde, USP, 100 lb. csl.	csl	.42% : .45	Snow White USP, 300 lb. bbls.	B	.12%	True Dental, 300 lb. bbls.	bbl	4.50
Para-Nitroacetanilid, 300 lb.	D		See also acid carbolite			Platinum, metal soft 10 oz. lots.	oz	120.00
bbls D		.50 : .55	Makers 950 lb. drums spot	B	.21 : .22	Podophyllin, 5 lb. bot. D	4.50	4.75
PARA-NITROANILINE, 300 lb. bbls.	D		Small drums 240-100 lb.	B	.23 : .24	Second Hands D	4.20	4.30
whs single bbl D		.53	Open market drums B		.21	POTASH SALTS, rough		
Para-Nitrochlorobenzene, 1200 lb. drs.	drs		240 lb. des drs whs B		.23	Pot. Murate basis 80% bps ton	24.90	
whs D		.30 : .33	Natural, 240 lb. des drs whs.	B		Pot. Sulfate, basis, 90% bps, ton		45.85
Para-Nitro-ortho-Toluidine, 300 lb.	D		Phenolphthalein, USP, 100 lb. drs.	B	1.30 : 1.40	Pot. & Mag. Sulfate, basis 48% bps		26.35
bbls D		2.75 : 2.85	whs cans, 100 lb. low. B		1.40 : 1.50	Manure Salts basis 30% bulk ton		18.00
Para-Nitrophenol, 185 lb. bbls.	D	.50 : .55	Phenyl-Alpha-Naphthylamine 100 lb. kgs. B		1.23 : 1.29	Manure Salts, basis 20% bulk ton		11.85
Para-Nitrosodimethylaniline, 120 lb.	D		Phenylethylmalonylureas, oz. pkgs.	oz	5.50	Kainit, basis 12.4% bulk ton		8.50
bbls D		.93 : .94	Phosgene, 100 lb. cylinders B			Bulk in bags, \$2.00 extra		
Para-Nitrotoluene 350 lb. bbls.	D	.25 : .27	Phosphate Acid, 16% Bulkwise unit		.62% : .65	Prices c.i.f. Atlantic & Gulf Ports		
Para-ox. Benzaldehyde, 100 lb.	D		Phosphate Rock, f.o.b. mines			Diamonds 50 tons 5% : 500 tons 10%		
whs D		1.70	Florida Pebble 68% ton	2.75	3.00	POTASH, CAUSTIC, solid 88-92%		
Para-Phenetidin, 500 lb. drs.	drs	1.55 : 1.80	Florida Pebble 70% ton	3.00	3.25	700 lb. drs whs D	.07% : .07%	
Para-Phenylenediamine, 350 lb.	D		Florida 72% ton	3.75	4.00	Imp. 88-92% 700 lb. drs. NY D	.07% : .07%	
bbls D		1.20 : 1.35	Florida Pebble, 75-74% ton	4.25	4.50	URP, by alcohol 5 lb. cans. ....	.46	.50
Para-Toluene-Sulfonamide, 175 lb.	D	.40 : .41	Tennessee, 72% ton		5.50	cases D	.30	.35
bbls D		.18 : .20	Phosphorus Oxide, 175 lb. cyl.	B	.35 : .40	POTASSIUM Acetate, USP, 100 lb.	D	.20 : .30
Para-Toluene-Sulfonchloride, 410 lb.	D	.50 : .55	Phosphorus, red 110 lb. cs B		.68 : .70	Second Hands, kgs. D	.20	.25
whs D		.80	Yellow, 110 lb. cs whs B		.32	Bicarbonate, crys. 320 lb. bbls.	D	.09 : .10
PARIS GREEN			Imported, 110 lb. cs whs B		.37%	Bichromate crys., 725 lb. csls.	D	.08 : .08%
Arcade Basis, 500 lb. kgs.	D	.10 : .20	Phosphorus Trichloride, 175 lb. cy.	B		Powd., 725 csls., whs D	.11	.12
Kgs., 100 lbs. D		.21 : .22	whs B		.45	Bromate, 300 lb. bbls. D	.16	.18
Kilo, 50, 25, 14 lbs. D		.22 : .23				Import, 112 lb. bbls. D	.18	.19

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Established 1857

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Pioneer American Manufacturers
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ESTABLISHED 1914

INCORPORATED 1918

Chemicals

POTASSIUM (Cont.)

Bisulfate, C.P., 5 lb cans.... lb30
100 lb kegs..... lb	...	...	.23
Bromate, 100 lb cs..... lb	...	...	.85
ARSENIDE, USP, crys., 450 lb			
bbls..... lb	.48	...	.49
Granular, 300 lb bbls..... lb	.48	...	.49
Cases, 100 lb..... lb	...	...	.50
Imported, USP, 220 lb cs..... lb	.37	...	.39
Shipment..... lb	...	...	.43%
CARBONATE, 80-85% calc.			
800 lb cks..... lb	.05%	...	.05%
80-85%, hydrated, 800 lb	...	...	...
cks..... lb	...	...	.05%
90-95% calc. casks..... lb	.06	...	.06%
94-98% calc. casks..... lb	.06	...	.06%
99% calc. casks..... lb	...	...	.07%
USP, 100 lb kegs..... lb	.11	...	.11%
99% C.P., casks..... lb	...	...	.13%
Chlorate, crys., 112 lb bgs. c/l	...	...	...
wks..... lb	.08%	...	.09
Imp. 112 lb kegs NY..... lb	.08%	...	.08%
Powd., 112 lb kegs, wks..... lb	.08%	...	.09
Imp. kegs NY..... lb	.08%	...	.08%
Gran. Imp. 112 lb kegs NY..... lb	.10%	...	.11
Pyrotechnic, fine powd. NY..... lb	...	...	.07
USP, fine powder, 110 lb kegs	...	...	...
NY..... lb	.14	...	.15
Crys..... lb	...	...	.12
Gran..... lb	...	...	.14
Chloride, crys bbls..... lb	.03%	...	.05%
Citrate, USP, 50 lb..... lb	...	...	.60
Cyanide, 110 lb cases..... lb	.52	...	.54
Glycerophosphate, 75% soln. 25 lb	...	...	...
tins..... lb	1.85	...	1.80
10 lb..... lb	2.00	...	2.25
Hypophosphite, 10 lb cans..... lb	.80	...	.85
Iodide, USP, 100 lb cases..... lb	3.75	...	3.80
Lactophosphate 4 oz bot..... lb	...	...	.90
Metalbisulfate, 300 lb bbls..... lb	.10	...	.11
Imp., 550 lb bbls lb	.10	...	.11

POTASSIUM (Cont.)

Muriate, 80%, 200 lb bags, NY	...	...	...
K ₂ O unit..... lb	...	...	.63
Nitrate, see Saltpetre			
Oxalate, neutral 225 lb bbls..... lb	.19	...	.20
Perchlorate, 112 lb kegs..... lb	.10%	...	.11
PERMANGAN, USP, crys. 500 lb			
& 100 lb dra., wks..... lb	.15	...	.16
Imp. 113 lb drs..... lb	.14	...	.15
Prussiate red, 500 lb casks..... lb	.37	...	.38
Prussiate, yellow 500 lb casks lb	.18	...	.18%
Salicylate, 25 lb cans..... lb	.60	...	.65
Sulfate, 200 lb bags, NY K ₂ O unit	...	...	.85
USP, VIII 100 lb kegs..... lb	...	...	.15
Sulfocyanide, C ₂ 35 lb jars lb	...	...	.60
Tartrate, neutral, 100 lb bags lb	...	...	.81
Titanium Oxalate, 200 lb bbls lb	...	...	.30
Pumice Stone, lump, 250 lb bbls lb	.04%	...	.06
Lump, bags..... lb	.04	...	.05
Powdered, 350 lb bbls..... lb	.02%	...	.03
Pyridine 50 gal drms..... gal	4.35	...	4.40
QUEBRACHO, 35% liquid tins lb			
450 lb bbls c/l..... lb	.03%	...	.04
35% bleaching, 450 lb bbls lb	.04	...	.05
Solid 63%, 100 lb bales c&f lb	.04%	...	.04%
Jan-June..... lb	.04%	...	.04%
Clarified 64% bales..... lb	...	...	.05
Jan-June..... lb	.04%	...	.05
Querciton, 51° 450 lb bbls..... lb	.06%	...	.07
Solid, 100 lb boxes..... lb	.10	...	.13
Quercitron bark, rough..... ton	...	...	14.00
Ground..... ton	34.00	...	35.00
QUICKSILVER, see Mercury			
Quinine Alk., 100 oz. tins..... oz	.70	...	.75
Sulfate, 100 oz. tins..... oz	...	...	.80
QUINOLINE, see Chinoline			
QUININE SULFATE, USP.			
American 100 oz tins..... lb	...	...	.50
1 oz. tins 100 oz lots..... oz	...	...	.57
Dutch 100oz tins..... oz	...	...	.50

QUININE SULFATE, USP.

lava, 100 oz. tins..... oz	...	...	.50
Japanese, 100 oz. tins..... oz	...	...	.50
Resale			
Acetate..... oz	...	...	.88
Arsenate..... oz	...	...	.88
Benzoate..... oz	...	...	.88
Bisulfate, USP..... oz	...	...	.45
Resale..... oz	.37	...	.41
Citrate..... oz	...	...	.62
Dihydrate, USP..... oz	...	...	.66
Dihydrate..... oz	...	...	.66
Dicarbonate, 13 oz. tins..... oz	...	...	2.50
Ethyl Carbonate, 16 oz tins..... oz	...	...	.70
Ferrocyanide..... oz	...	...	.88
Formate..... oz	...	...	.85
Glycerophosphate..... oz	...	...	.88
Iodide..... oz	...	...	.88
Hydrobromide, USP..... oz	...	...	.62
Hydrochloride, USP..... oz	...	...	.62
Hydrochlorosulfate..... oz	...	...	.66
Hydride & Urea, USP..... oz	...	...	.88
Hypophosphite..... oz	...	...	.88
Lactate..... oz	...	...	.75
Phenolsulfonate..... oz	...	...	.88
Phosphate..... oz	...	...	.74
Salicylate, USP..... oz	...	...	.63
Tannate, USP..... oz	...	...	.45
Tartrate..... oz	...	...	.88
Valerate..... oz	...	...	.80
Small Sizes: 1oz vials or cans,			
50oz. lots, 5¢ on extra; 5oz. cans,			
50oz. lots 3¢ on extra; 25oz. cans,			
50oz. lots, 2¢ on extra; single 1oz.			
vials or cans, 5¢ extra. All minor			
quinine salts sold and quoted basis			
100oz lots in 100oz cans. Sulfate			
and bisulfate sold basis 100oz.			
lots in 100 oz cans. Smaller orders			
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Pittsburgh, Pa., U.S.A.

Chemicals

Quinone, 100 lb kegs D	1.75	: 2.25	SALTPETRE, Double Refined			Contract, Basis 58% dense bags		
Red Lead, see lead oxide	.45	: .47	Granular, 400-500 lb bbls.			SODA ASH (Cont.)		
Red Precipitate, see mercury			e/l wks D	..	.061%	e/l wks, .....100 lb	..	1.45
Rennet, N.F., 5 lbs. (1:25,000) D	2.95	: 3.50	Less e/l wks, bbls .. D	..	.06%	Expt. and spot, Basis 58% bags		
Resorcin, see resorcinol			Large Crystals, 350-400 lb bbls.			e/l wks.....100 lb	..	1.50
Resorcinol, tech., 100 lb kegs .. D	1.30	: 1.35	e/l wks D	..	.07%	SODA, CAUSTIC, 76% solid		
USP, 25 lb cans D	2.25	: 2.35	Triple refined, Granular, 350 lb			1-4 drums deliv'd NY..100 lb	..	3.91
Rochelle Salt, USP, 225 lb bbls D	.30	: .30%	bbls 1/c/l D	..	.06%	5 & Up drums deliv'd NY100 lb	..	3.76
Imp. USP, 300 lb bbls D	.19	: .19%	Powdered, bbls e/l wks .. D	..	.07%	Ground & Flake, 76%		
Rosewater, triple, 5 gal. demis. gal	.85	: .90	Imported, 500 lb bbls. NY .. D	..	.06%	1-4 drums, deliv'd NY ..100 lb	..	4.31
Rosins, (Sold in 600 lb bbls, gross for net.)			Santonin, USP, bulk D	141.00	:145.00	5 & up drs deliv'd NY..110 lb	..	4.16
B 280 lb	..	14.00	Powd. bulk D	142.00	:147.00	1-4 bbls deliv'd .....100 lb	..	4.66
D 280 lb	..	14.05	Saponin, refined, 5 lb tins .. D	1.25	: 1.50	5 & up bbls deliv'd.....100 lb	..	4.41
E 280 lb	..	14.10	Crude D	1.00	: 1.25	Contract basis 76% e/l wks	..	3.10
F 280 lb	..	14.25	Satin, White, 500 lb bbls .. D	..	.01%	Expt. and spot, Basis 76%		
G 280 lb	..	14.25	Scopolamine, see hyoscyne			e/l wks, .....100 lb	..	3.20
H 280 lb	..	14.30	Schultz Mixture, 225 lb bbls .. D	.16%	: .16%	wks, flat .....100 lb	..	3.02
I 280 lb	..	14.30	SILICA			Ground & flake, 76% pmpt. and		
K 280 lb	..	15.45	Crude, bulk, mines ton	6.00	: 7.00	spot, wks, e/l drs.....100 lb	..	3.60
M 280 lb	..	15.70	Refined, Roasted, bags ton	18.00	: 30.00	Contract 76% drums e/l wks	..	3.50
N 280 lb	..	16.10	Air Roasted, bags ton	32.00	: 50.00	USP, stick, 10 lb cans D	.19	: .21
WG 280 lb	..	16.40	Extra, Roasted, bags ton	55.00	: 65.00	Pure, stick, by alcohol D	.25	: .27
VW 280 lb	..	16.60	Colloidal, 1 ton bot. oz	..	2.80	Soda Sal. see Sodium Carbonate		
(Sold in 600 lb bbls net. quotations based on a unit of 280 lb)			SILVER, metal American oz oz	..	.68 1/2	Sodium Metal, 12 1/4 lb bricks .. D	..	.27
Rosin Oil first run 50 gal bbls gal	..	.73 1/2	Iodide, 16 oz bot oz	..	.69	SODIUM ACETATE, crys. 450 lb bbls		
Second run bbl gal	..	.78 1/2	Nitrate 16 oz bot oz	..	.46%	Wks D	.04 1/2	: .05
Rotten Stone lump imp bbls .. D	.07	: .08	Nucleinate 1 oz bot oz	..	.41	Aluminate 500 lb bbls wks D	.07 1/2	: .08
Lump selected, bbls D	.09	: .12	Bulk oz	..	.34	Aluminum Sulfate, see alum. soda		
Powdered bbls D	.02	: .05	Proteinates, 1 oz bot oz	..	.29	Arsenite, 4 lb mat, wks drums gal	.50	: .60
Domestic, bags mines D	24.00	: 30.00	Soap, Castile, 40 lb bxs D	.20	: .26	Drums, 8 lb material, wks gal	1.00	: 1.20
SACCHARIN, USP, 10 lb cans, 25 lb			Powd. USP, 250 lb bbls..... D	.28	: .30	Benzonate, USP, 100 lb bbls .. D	.50	: .55
Soluble, USP, 10 lb cans, 25 lb D	1.75	: 1.85	Green, USP, 450 lb bbls D	.07 1/2	: .08 1/2	Bicarbonate, 400 lb bbls NY100 lb	..	2.41
Sago, Flour, 150 lb bags D	1.75	: 1.85	Soapstone, see Talc, crude			Bbls e/l wks .....100 lb	..	2.00
Sal Ammoniac, see Ammon. Chloride			SODA ASH, 58% light			112 lb kegs e-l wks D	..	2.25
Sal Soda, see Sodium Carbonate			1-4 bags, deliv'd NY..100 lb	..	2.19	112 lb kegs NY .....100 lb	..	2.68
Sallein, USP, 1 lb cartons, 25 lb D	5.00	: 5.25	5 & Up bags deliv'd NY100 lb	..	2.04	Richromate, 500 lb casks wks lb	.06 1/2	: .06 1/2
Salol, USP, 100 lb drums D	.30	: .30	1-4 bbls, deliv'd NY ..100 lb	..	2.44	Casks e-l NY D	.06 1/2	: .06 1/2
Salt, Common, see sodium chloride			5 & Up bbls deliv'd NY.100 lb	..	2.29	Caustic, NY D	.06 1/2	: .06 1/2
Salt Cake 94-96% e-l wks ton	19.00	: 20.00	Contract Basis 58% bags e/l	..	1.38	Bisulfite, dry powder, 500 lb	.84	: .84 1/2
White, 87% wks ton	14.00	: 15.00	wks100 lb	..	1.43	Imported D	..	.03 1/2

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Solvay 58% Soda Ash
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Solvay 76% Caustic Soda
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Chemicals

SODIUM—(Continued)

BROMIDE, USP, 450 lb bbls..	.48	: .49
Cases, 50 lb48	: .49
Imp. USP., 220 lb cases ..	.42½	: .43
Bromate, 100 lb ca. ....	...	: 1.15
Carodylate, USP, 25 lb ..	...	: 5.90 : 6.10
50 lb bot	5.90	: 6.10
Carbonate Sal Soda 350 lb bbls.	...	: 1.30 : 1.35
le/1 NY	1.30	: 1.35
Works c/1	1.10	: 1.80
Monohydrate, 400 lb bbl.	...	: 2.40
le/1 NY .....	...	: 2.40
Pure photographic 100 lb	...	: .08 : .08
keg .....	.08	: .08
Chlorate, 112 lb kegs, wks ..	.06¾	: .06¾
Imported, 112 lb kegs .....	.06¾	: .06¾
Chloride, tech	12.00	: 13.00
C. F., 300 lb bbls .....	.05	: .06
Chromate 800 lb bbl .....	...	: .08
Citrate, USP, IX, 50 lb bbls	...	: .52 : .54
kegs .....	.45	: .47
USP, VIII, 50 lb bbls kegs	...	: .20
Cyanide 98-98% 100 & 250 lb drums	...	: .19
c-1 wks .....	...	: .18
Imp. 95-97% 100 lb drums ..	...	: .09 : .09¾
c-1 .....	.09	: .09¾
Fluoride, 300 lb bbls, wks ..	.08¾	: .09
Imp. 700 lb cks .....	...	: 1.40 : 1.55
Glycerophosphate USP cryst. 25 lb	...	: 1.45 : 1.50
can	1.05	: 1.20
Powder, 25 lb tins .....	...	: .05
Solution, USP, 25 lb tins ..	...	: .04
Hydroxide, see Soda Caustic	...	: .22 : .24
Hypochlorite Soln, 100 lb cysd	...	: .30 : .35
14½% soln, 50 lb cysd ..	...	: .70 : .75
Hydromilite, 200 lb bbls f.o.b. wks	...	
For Stripping, 50 lb cans ..	...
Hypophosphite, USP, 25 lb cans	...	
..	...	

SODIUM—(Continued)

HYPOSULFITE, tech. pos crys.	...	: 2.65 : 3.05
375 lb bbls, wks	2.65	: 3.05
Bbls, c/1 wks	2.50	: 2.90
100 lb kegs, wks	2.50	: 2.90
Imp	2.75	: 3.00
Regular crys., bbls wks ..	2.40	: 2.65
Bbls, c/1 wks	2.40	: 2.50
Kegs, wks	3.00	: 3.10
Imp	2.35	: 2.45
Iodide, USP, 25 lb jars	4.25	: 4.30
Metallate, 150 lb bbls .....	.70	: .75
Molybdate 100 lb kegs .....	...	: 1.10
Naphthionate, 300 lb bbls ..	.55	: .57
Nitrate crude. 95% 200 lb kegs	...	: 2.67
c-1 NY .....	...	: 2.67
Jan Shipment NY .....	...	: .03¾
Double Refined 400 lb bbls	...	: .05¾
gran. c/1 wks .....	...	: .09
Powdered bbls c/1 wks .....	...	: .08¾
Nitrite, 500 lb bbls spot makers	...	: .25 : .27
Imp. 650 lb casks .....	.25	: .27
Ortho-Chloro-Toluene Sulfonate,	...	: .20 : .23
175 lb bbls, wks .....	.20	: .23
Oxalate, neutral, 100 lb kegs ..	.21	: .22
Perborate, 275 lb bbls .....	.21	: .22
Imp. 225 lb dra. ....	...	: .27
Peroxide, 200 lb cases .....	...	: 3.40 : 3.75
Phosphate, di-sodium, tech. 550 lb	...	: .07 : .07¾
Bbls .....	.07	: .07¾
USP, gran. 275 bbls .....	.04¾	: .05¾
Imp. gran .....	.07¾	: .08
USP, Crystal, 275 bbls .....	...	: .30
Mono-sodium, 100 lb kegs ..	.30	: .31
Tri-sodium tech. c-1 bbls 100 lb	...	: 3.80
Picramate, 100 lb kegs .....	...	: .60
Para-Toluene Sulfonate 175 lb	...	: .08 : .09
bbls .....	...	: .10 : .10¾
PRUSSIAN, yellow, 350 lb bbls	...	: .10 : .10¾
wks .....	.10	: .10¾
Imp 50 lb cks .....	.24	: .25
Pyrophosphate, 100 lb kegs ..	...	: .40
Salicylate, 100 lb kegs .....	...	: .39 : .40
Second hands, USP, kegs ..	.39	: .40

SODIUM—(Continued)

Silicate, 40° turbid, tanks	...	: .75
wks	100 lb	: .85 : 1.10
55 gal drums, wks .....	...	: 1.10
40° clear, tanks, wks .....	...	: 1.30 : 1.45
55 gal dra, wks .....	...	: .80
42° turbid, tks., wks .....	...	: .90 : 1.15
55 gal dra, wks .....	...	: 1.25
42° clear, tanks, wks .....	...	: 1.35 : 1.75
55 gal lra, wks .....	...	: .04¾ : .05
Silicofluoride, 450 lb bbls NY	...	: .42¾ : .43¾
Stannate, 100 drums .....	...
Sulphate, see Glauber's Salt	...	
Sulfate, Anhydrous, 550 lb bbls	...	: .03¾ : .03¾
c-1 wks .....	...	: .02 : .02¾
Imp., 250 lb bbls .....	...	: .04¾
Sulfinde, 60% solid, 650 lb dra,	...	: .04
le/1 wks .....	...	: .03¾
Dra. c/1 wks .....	...	: .04¾
Imp. 700 lb dra NY .....	...	: .04¾
80% broken, 650 lb dra wks ..	...	: .02¾ : .03
Dra. c/1 wks .....	...	: .02¾
30% crys. 440 lb bbls wks ..	...	: .03¾ : .05
Imp. 400 lb bbls .....	...	: .10
Sulfite, crys. 400 lb bbls wks ..	...	: .32 : .34
Anhydrous, 400 lb bbls .....	...	: .40 : .45
Sulfocarbonate, USP, 100 lb kegs	...	: .75 : .80
Sulfocyanide, 400 lb bbls .....	...
Tungstate, crys., 100 lb kegs ..	...
SOLVENT NAPHTHA, 110 gal	...	
dra. wks .....	.40	: nom.
8,000 gal tank carwkgal	.35	: nom.
Spartein Sulfate, USP, 25 oz bulk	...	: .77
Single oz. vial .....	...	: .01 : .01¾
Spruce, 25% liquid tanks, wks	: .01¾
bbls	: .02 : .02¾
Powd. 50% 100 lb bags, wks	: .00 : .10
Starch, rice, 140 lb bags	



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Chemicals

STARCH, powd, 140 lb bgs c-1 100 lb	3.22	SULFUR		Tar, kiln-burnt	bbbl	15.50
Bags 1c-1	3.32	Crude, f.o.b. mines	ton	Retort	bbbl	15.50
Pearl, 140 lb bgs	3.12	Brimstone, 250 lb bags c/100 lb	1.95	Tartar Emetic tech., 700 lb bbls	lb	.29
Bags 1c-1	3.22	Less c/1 bags NY	2.05	USP, 300 lb bbls	lb	.34
Potato domestic, 200 lb bags-1 lb	.08	Roll, 500 lb bbls c/1 NY 100 lb	2.35	Tenilac 41, 100 lb drums	lb	.65
Imported bags duty paid	.06 1/2	Less c/1 bags NY	2.35	Tenilac 59, 100 lb drums	lb	4.80
Wheat, dew thick bgs	.06 1/2	Flour, Heavy, bags	2.70	Terpin Hydrate, USP, 100 lb kegs	lb	.45
Thin bgs	.09 1/2	Light 100% bags	2.80	Terpineol, CP, 1000 lb drums	lb	.38
Sol. Potato	.07	Rubbersmakers 100%	3.05	Cans, 50 lb	lb	.42
STRONTIUM Bromide, USP, 50 lb		bbls, NY	3.05	Imported, cans 25 lb	lb	.43
kegs	.51	Commercial, 99% c-1 150 lb bgs		Terpinyl Acetate, 25 lb cans	lb	1.65
Carb. N. F. 600 lb bbls. wks	.30	NY	1.40	Terra Alba, No. 1, 300 lb bis, 100 lb	lb	1.85
100 lb kegs, wks	.08	For Dusting, c-1 99% 100 lb	2.05	Tetralene, 50 gal dra. wis.	gal	3.75
Iodide, USP, 15 lb jars	4.00	bgs NY	2.05	Theobromine Alk., 5 lb cans	lb	3.80
Nitrate 600 lb bbls NY	.08	Flowers, 100% 155 lb bbls	3.35	Sol. Salicylate, 1 lb bot.	lb	2.92
Imp., bbls NY	.08	N Y.	15	Thioacetanilid, 170 lb bbls	lb	.28
Salicylate, USP, 100 lb kegs	.75	Precipitated, 125 lb bbls. NY	.17	Thymol, USP, 25 lb tins	lb	4.25
STRYCHNINE Alkaloid, USP, crys.		Lac, 125 lb bbls. NY	.10	Iodide kegs	lb	6.75
100 oz. tins	.61	Sulfur Chloride, red, 700 lb dra.		TIN, metal, Straits NY	lb	.63
Japanese caas	.75	wks	.05	99% American NY	lb	.62
Alk., powd. USP	.51	150 lb cby wks	.06 1/2	Bichloride, 50% soln. 100 lb	lb	.17
Acetate	.55	Yellow, 700 lb drs wis	.03 1/2	bbls wis	lb	.43
Glycerophosphate, USP	.55	Sulfur Dioxide, 100 lb cyl	.08	Crystals, 500 lb bbls wis	lb	.43 1/2
Hydrobromide	.55	Iodide, USP, VIII, 5 lb bot.	.45	100 lb kegs wis	lb	.07 1/2
Hydrochloride	.55	Sulfuryl Chloride, 600 lb dra.	.70	Iodide 5 lb boxes	lb	.66
Hypophosphate	.65	Sumac, extract, liquid 450 lb bbls	.95	Oxide 300 lb bbls wis	lb	.61
Nitrate, USP	.55	C.P. 450 lb bbls.	.10 1/2	100 lb kegs wis	lb	.60
Phosphate	.55	Stainless, 600 lb bbls	.11	Recovered bbls	lb	.36
Sulfate, USP, crys powd	.42	Sumac, Stelly leaves 100 lb bags ton	130.00	Tetrachloride, 100 lb drs wis	lb	.13
Saccharinate	1.15	Ground Shipment	55.00	Titanium Oxide, bbls, wis	lb	.90
Strychnine preparations quoted bases		Virginia, 150 lb bags	60.00	Toluidine, 350 lb bbls	lb	.85
100 oz lots in 100 oz tins. Small sizes;		TALC, Italian 220 lb bags NY	40.00	Sulfate, 8000 gal tank cars wis gal	gal	.40
1/4 oz vials, 50c extra; 1/2 oz vials, 25c		Refined, white, bags	50.00	110 gal drs wis	gal	.37
extra; single ounce vials, 7c extra. Lots		French, 220 lb bgs, NY	30.00	Nitration, Tank cars, wis.	gal	.42
of 25 oz. 5c higher than above		Refined, white, bags	38.00	Drums, Wis.	gal	.38
schedule. Lots of less than 25 oz.		Dom., crude, 100 lb bags NY	12.00	Non-corrosive, Tank cars, wis gal	gal	.41
10c higher per oz.		Refined 100 lb bags NY	16.00	Drums, wis	gal	.31
Sugar Coloring (See Caramel)		Tankage, ground, NY	4.25	Toluidine, Mixed, 900 lb drs, wis. lb	lb	.85
Sugar Milk, USP, 200 lb bbls	.20	High grade f.o.b. Chicago, unit	3.25	Toners, para red	lb	1.75
Second Hands, USP, bbls	.18	So. Am. c.i.f.	4.15	Toluidine	lb	.35
Sulfonal, see Sulfonmethane		Tapioca Flour, high grade bgs	.05 1/2	Triacetin, 50 gal drs wis	lb	.37
Sulfonethymethane, USP, 10 lb bbs	3.85	Medium grade, bags	.04 1/2	Tribromophenol, 100 lb cases	lb	.69
Sulfonmethane, USP, 10 lb bbs	3.85	Low grade, bags	.03 1/2	Triphenyl, see Sulfonethymethane	lb	.75
		Tar Coke Oven, Tia. wis	.07	Triphenylguandine	lb	.78
		Water Gas, Tia. wis	.08	Triphenyl Phosphate, 450 lb bbls	lb	

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Tripoli, 500 lb bbls	100 lb	2.50	3.00
Tungsten, NY	W.O. unit	12.00	13.00
Turkey Red Oil, bbls single	lb	.11	.12
double	lb	.16	.18
Turpentine Spirits bbls	gal	.98 1/2	1.03
Wood steam Dist., bbls	gal	.88 1/2	.93
Ultramarine Blue	lb	.15	.25
UREA, pure, 112 lb cases	lb	.18	.20
Valonia Cups, 30-31% tan	ton		35.00
Beard 42% tan, bags	ton	55.00	57.00
Mixture, 36% tan bags	ton		40.00
VANILLIN, CSP, 500 oz cans	oz	.02	.49
Cans, 50 oz	oz		.50
Cans, 10 oz	oz		.51
Second Hands	oz	.47	.49
Venetian Red	lb	.40	.40
Vermilion, Amer. 100 lb kegs	lb	.35	.40
English, kegs	lb	1.40	1.45
Veratrine Sulfate, 1 oz vial	oz	1.85	1.85
Hydrochloride, 1 oz vial	oz		1.85
Veronal, see Acid Diethylbarbiturate			
Valonia, 250 lb bbls, wks	lb	.75	.79
Wattle Bark, bags	ton	39.50	40.00
Extract 55% dble bgs ex-dock	lb		.05 1/2
WHITE LEAD, see lead, white			
White Precipitate, see mercury			
Whiting, 200 lb bags, c/l wks 100 lb			1.35
Alba bags NY c-l	ton		13.00
Gilders, bags NY c-l	ton		1.35
French, bags NY c-l	ton	14.50	19.00
English, bags NY c-l	ton	21.00	22.00
Paris white bags c-l	ton	1.	1.
Witch Hazel Extract, 50 gal. bbls gal		1.05	1.10
XYLENE, 3° dist range nitration			
110 gal drs NY	gal	.70	nom.
5° dist. range, 8000 gal. tanks			
wks	gal	.55	nom.
110 gal drs wks	gal	.60	nom.
10° dist. range drums, wks gal		.55	nom.
Tanks wks	gal	.50	nom.
Com'l 110 gal drs wks gal		.41	nom.
Tanks, wks	gal	.36	nom.
Ylvidine, crude	lb		.37
Refined	lb	.40	.42

YARA YARA, 1 lb tin	lb	1.05	1.30
Yohimbin Hydrochlor. 1 oz vial	oz	3.15	4.00
Zinc	oz		3.00
Yolk Oil bbls	lb		.35
ZINC, METAL, high grade, plate			
c-l NY	100 lb	9.00	9.05
Ammonium Chloride, powd., 400 lb	lb		.06 1/2
bbls	lb		.10
Carb. tech bbls NY	lb	.09 1/2	.10
CSP, 100 lb kegs	lb	.20	.20
Chloride, fused, 600 lb drs wks	lb	.67 1/2	.67 1/2
Dra. c/l wks	lb	.06	.06
Granulated, 500 lb bbls wks	lb	.06 1/2	.08
Imported dr NY	lb	.06 1/2	.07
Solution, 50%, tanks wks 100 lb			3.00
CSP, 25 lb jars	lb	.37	.39
Cyanide, 100 lb drs	lb	.40	.41
Dust, 100 lb tins, wk	lb		.10
500 lb bbls kegs c/l wks	lb		.09
500 lb bbls, kegs, c/l wks	lb		.09 1/2
Iodide, 5 lb pots	lb		5.25
Nitrate, 25 lb jars	lb		.45
Oxide, Amer. Bags wks	lb	.07 1/2	.07 1/2
Amer 300 lb bbls wks	lb	.07 1/2	.07 1/2
French, 300 lb bbls wks	lb	.10 1/2	.12 1/2
Bbl. c-l wks	lb	.10 1/2	.12 1/2
Bags c-l wks	lb	.10 1/2	.12 1/2
USP, 100 lb bbls c/l	lb		.14
10-25 bbl lots	lb		.15
5 bbl lots	lb		.16
1 bbl lots	lb		.17
Imported, white seal, bbls	lb	.12	.13 1/2
Green seal, bbls	lb	.11 1/2	.12
Red seal, bbls	lb	.10 1/2	.11
Stearate, USP, 50 lb bbls	lb	.21 1/2	.24
Small lots	lb	.23	.27
Second hands	lb	.20	.21
Sulfate, 400 lb bbls wks	lb	.03 1/2	.03 1/2
Bbls, c/l wks	lb	.03	.03
USP 100 lb bbls	lb	.14	.15
Antifreeze 500 lb bbls	lb	.30	.33
Sulfocarbonate, 100 lb kegs	lb	.30	.33
Zirconium, oxide, pure	lb	.45	.60
Zinc, 100 lb bags	lb	.08	.10
Natural, bags	lb	.03 1/2	.03 1/2

Oils - Fats

Castor, No. 1, 400 lb bbls	lb	.15	.15 1/2
80 lb cases	lb	.16	.16 1/2
No. 3 bbls	lb	.14 1/2	.15
Blown, 400 lb bbls	lb		.18
China Wood, spot NY	lb	.13	.13 1/2
Tanks Spot NY	lb	.12 1/2	.12 1/2
Coast tanks	lb	.11 1/2	.11 1/2
Cocunut, Ceylon, 375 bbls NY	lb	.12	.12 1/2
8,000 gal tanks NY	lb	.11	.11 1/2
Cochin, 375 lb bbls NY	lb	.12 1/2	.13
Tanks NY	lb		.11 1/2
Manila bbls NY	lb	.11 1/2	.12 1/2
Tanks, Pacific Coast	lb	.10 1/2	.10 1/2
Edible bbls NY	lb	.13 1/2	.14
Cod Newfoundland, 50 gal bbls	gal	.70	.71
Tanks, NY	gal	.61	.63
Cod Liver, see Cod Liver Oil under Chemicals			
Copa, bags	lb	.06	.06 1/2
Corn, ref., 375 lb bbls NY	lb	.13	.13 1/2
Tanks	lb	.12	.12 1/2
Crude tanks mills	lb		.09 1/2
Bbls NY	lb	.12	.12 1/2
Cottonseed crude 100 lb mill	lb		.09 1/2
PSY 100 bbls NY spot	lb		.11
Jan-Aug	lb	.10 1/2	.11 1/2
1000 cases lots, NY	lb		.11
Winter yellow, 100 bbls NY	lb	.13	.13 1/2
Degras, Amer. 50 gal bbls, NY	lb	.04 1/2	.04 1/2
English, light, bbls, NY	lb	.05 1/2	.05 1/2
Brown, bbls, NY	lb	.04 1/2	.04 1/2
Light brown, bbls, NY	lb	.04 1/2	.04 1/2
Dark, bbls, NY	lb	.03 1/2	.04
Neutral, bbls, NY	lb	.07 1/2	.12
Moellon, bbls, NY	gal		.50
Greases choice white bbls NY	lb	.11 1/2	.11 1/2
Yellow	lb		.09
House	lb		.09 1/2
Brown	lb		.08 1/2



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Edw. C. Railing, Manager
Formerly of the Plaza, New York.

Walter Tuzand
President.

Oils - Fats

Herring, Tanks, Coast	gal	.40	nom.
Horse, 375 lb bbls, NY	lb	.10	nom.
Lard, prime steam, bbls	lb	.17%	.17%
Compound, bbls	lb	.14%	.14%
LARD OIL edible prime	lb		.17%
Off prime bbls	lb		.14%
Extra bbls	lb		.14%
Extra, No. 1, bbls	lb		.13%
No. 1, bbls	lb		.13
No. 2, bbls	lb		.12%
LINSEED, raw c-l bbls spot	lb		.121
Five bbls raw	lb		.125
Tanks, raw	lb		.113
Bottled, 5bbl lots wks	lb		.128
Double bottled 5 bbl	lb		.13
Dec-April c-l wks	lb		.121
Imported bbls, NY	gal		
Tanks, NY	gal		
Menhaden, crude tanks, Balt	gal	.55	nom.
Light pressed, bbls NY	gal	.72	.74
Yellow, bleached bbls NY	gal	.75	.77
Extra bleached bbls NY	gal	.77	.79
Blown, bbls, NY	lb		.10%
Neatsfoot 20° c.t. bbls NY	lb		.19%
Pure bbls NY	lb		.16%
Extra bbls NY	lb		.13%
No. 1, bbls NY	lb		.13
Olco Oils No. 1, bbls NY	lb	.13%	.13%
No. 2, bbls NY	lb		.11%
No. 3, bbls NY	lb		.11
OLIVE denatured bbls NY	gal	1.25	1.30
Edible, bbls, NY	gal	2.00	2.30
Foots bbls NY	lb		.08%
Shipments	lb		.09%
Palm Lagos, 1500 lb casks	lb		.09%
Niger casks	lb		.08%
Bonny old Calabar, casks	lb		nom.
Palm Kernel bbl NY	lb		.10%
Casks	lb		.10%

Peanut refined bbls NY	lb	.15	nom.
Crude, mills buyers' tks	lb		.10
Crude, bbls, NY	lb		.11
Perilla, bbls NY	lb		.15%
Poppseed, bbls NY	gal	1.85	2.00
Rapeseed refined bbls NY	gal	.93	.95
Blown bbls NY	gal	1.14	1.15
Red Oil, distilled bbls	lb	.11%	.11%
Tanks	lb		.10%
Saponified, bbls	lb	.11%	.12
Tanks	lb		.10%
Salmon, 8000 gal. tks. Coast	gal	.50	nom.
Sardine, Tanks, Pacific Coast, gal.	gal	.55	.56
Sesame, edible, yellow bbls	lb	.13%	.14
White	lb	.16	.16%
Sod Oil, bbls, NY	gal		.40
SOYA BEAN, crude tks, Pacific Cst	lb	.10%	.10%
Crude, tks NY	lb	.12%	nom.
Crude, bbls NY	lb		.13%
Refined, bbls NY	lb		.14%
Sperm, 38° c.t. blehd. bbls NY	gal	.87	.89
45° cold test, blehd. bbls NY	gal	.84	.86
STEARIC ACID, s.p. 200 lb bags	lb		.15%
Double pressed, bags distilled	lb	.15%	.16
Double pressed, bags saponified	lb	.15%	.16
Triple pressed, bags, distilled	lb	.18	.18%
Triple pressed, bags saponified	lb	.18	.18%
Stearine oleo, bbls	lb		.12%
Tallow edible, tierces	lb	.11%	.11%
City Extra loose	lb		.09%
Tallow Oil, acidless tks, NY	lb		.11%
Bbls c-l NY	lb		.12%
Walnut, crude bbls NY	lb		
Whale, nat winter bbls, NY	gal	.78	.78
Blehd winter bbls, NY	gal	.78	.80
Extra Bleh, bbls, NY	gal	.80	.82
Crude No. 1, tanks coast	gal		
Crude No. 2, tanks coast	gal		
Crude No. 3 tanks coast	gal		

Crude Drugs

Acrodis Gum, red, see Yucca			
ACONITE LEAVES, bales	lb	.09	.10
Root, USP, bags	lb	.26	.29
Agar Agar, 1, 200 lb bbls	lb	1.30	1.40
No. 2, bales	lb	1.30	nom.
No. 3, bales	lb	1.10	1.20
Shipment	lb		.80
Agaric white, cases	lb	.90	.95
Granulated, boxes	lb	1.25	1.50
Almonds, bitter, boxes	lb	.55	.60
Sweet, boxes	lb	.85	.70
Meal, barrels, boxes	lb	.24	.26
Aletris Root, bags	lb	.36	.40
Alkacot Root, bag	lb	.08%	.19
Aloes, Barbadoes, 120 lb bbls	lb		1.25
Cape, 400 lb cases	lb	.12	.14
Curacao, 100 lb cases	lb	.11	.11%
Scotrine whole, 300 lb cs	lb		.32
Althea Root Cut cs	lb	.45	.50
Ord. & Pwd. bgs	lb	.50	.55
Ambergris, black boxes	cs	8.00	10.00
Grey, boxes	cs		26.00
Ammoniac, tears, bags	lb	.75	.80
Angelica Root, dom. bags	lb	.16	.17
Anagallis Bark, bags	lb	.15	.20
Anise, Levant, bags	lb	.14%	.15
Russian bags	lb		.18%
Star Case	lb	.16	.18%
Spanish bags	lb	.13%	.13%
Annatto Seed, 100 lb bags	lb	.15	.18
ARABIC GUM.			
White, No. 1, 200 lb bags	lb	.24	.25
Seeds, 250 lb bags	lb	.23	.23
Sorts, Amber 200 bgs bbl	lb	.13%	.13%
Powd., USP, 300 lb bbls	lb	.71	.72
Arca Nuts 150 lb bags	lb	.20	.22
Powd., 200 lb bbls	lb	.22	.23
Arnica Flowers, bales	lb	.13	.14
Root, bags	lb		nom.

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"STANDARDS EVERYWHERE"

Crude Drugs

Arrowroot, Amer. Powd, bbls.	10	10%	Burdock Root, bags09	.10	Cassia Batavia, No. 3 bales10	.10%
Bermuda, bbls.	10	10%	Seed bags, . . . . .	.50	.50	China, Select rolls cases . . . . .	.08 1/2	.08%
St. Vincent Powd. bbls. . . . .	.13	.14	Burgundy pitch, dom., 110 lb staves . . . . .	.08	.09	Saigon, Cut thin . . . . .	.28	.29
Asafetida, USP, 250 lb cases . . . . .	.25	.30	Gross for net . . . . .	.12	.13	Sweet, bales . . . . .	.06 1/2	.06%
Powd., 50 lb bxs . . . . .	.45	.50	Imported . . . . .	.65	.70	Buds, cases . . . . .	.25	.25 1/2
BALM GILEAD BUDS, bags . . . . .	.40	.42	Calabar Beans bags . . . . .	.45	.48	Cassia Fistula, baskets . . . . .	.07	.09
Balmory Herbs, bales	16	16	Calamus Root, bleached, cases . . . . .	.06 1/2	.04	Castile Soap, USP, powd., 200 lb bales . . . . .	.20	.22
BALSAMS			Candellilla Petals imp bales . . . . .	.80	.85	Powd., USP, 200 lb bbls . . . . .	.30	.33
Copaiba, Para 80 lb cs . . . . .	.37	.39	Calisaya Bark, bales powd. . . . .	.85	.86	Castor Beans, bags . . . . .	.03	.03 1/2
South American 80 lb cs	42 1/2	42 1/2	Canary Seed, Morocco, bags . . . . .	.07 1/2	.08	Castoreum, See Aromatic Chemicals, Perfumes, Sun-dries		
Fir Canada, cans	11.00	13.00	Spanish bags . . . . .	.08 1/2	.08 1/2	Catnip Herb, bales . . . . .	.23	.26
Oregon bbls cases . . . . .	.95	1.20	South American, bags . . . . .	.06 1/2	.06 1/2	Catechu Gum bags . . . . .	.11	.12
Peru, 120 lb cases	1.80	1.80	Dutch bags . . . . .	.06 1/2	.06 1/2	Celery Seed bales . . . . .	.23 1/2	.23 1/2
Tolu, 120 lb cases	1.30	1.40	Candellilla Wax, bags . . . . .	.36	.38	Ceresin Wax, white bags . . . . .	.12	.30
Bamboo Briar Root, bags . . . . .	.08	.07	Candellilla Wax, bags . . . . .	.36	.38	Yellow, 200 lb bags . . . . .	.10	.12
Barberry Bark, tree bales . . . . .	.13	.15	Candellilla Wax, bags . . . . .	.36	.38	Imp 100 lb bags . . . . .	.34	.34
Root, bags . . . . .	.30	.32	Candellilla Wax, bags . . . . .	.36	.38	CHAMOMILE FLOWERS, Roman cases bales . . . . .	.20	.25
Bayberry Bark, bales . . . . .	.10	.13	Candellilla Wax, bags . . . . .	.36	.38	Hung., cases bales . . . . .	.19	.25
Wax, bbls. . . . .	.24	.25	Candellilla Wax, bags . . . . .	.36	.38	Charcoal, Willow powd bbls . . . . .	.08	.06 1/2
Belladonna Leaves, bales . . . . .	.15	.18	Candellilla Wax, bags . . . . .	.36	.38	Chaco powd bbls . . . . .	.04	.04
Root bags . . . . .	.56 1/2	.57 1/2	Candellilla Wax, bags . . . . .	.36	.38	Castnut Bark, bags . . . . .	.07	.08
Bee Wax, white cases . . . . .	.46	.47	Candellilla Wax, bags . . . . .	.36	.38	Chicory bales . . . . .	.06	.06 1/2
Yellow, refined, cases . . . . .	.42	.45	Candellilla Wax, bags . . . . .	.36	.38	Chicle Gum 100 lbs . . . . .	.85	.90
Crude cases	1.30	1.50	Candellilla Wax, bags . . . . .	.36	.38	Chiricita bales . . . . .	.07	.10
Bennoin Gum, Siam, boxes . . . . .	.26	.28	Candellilla Wax, bags . . . . .	.36	.38	Cinchona Bark, red quill bales . . . . .	.65	.75
Sumatra 80 lb boxes . . . . .	.12	.13	Candellilla Wax, bags . . . . .	.36	.38	Broken cases red . . . . .	.25	.29
Berberis Aquifolium Root, bags . . . . .	.22	.25	Candellilla Wax, bags . . . . .	.36	.38	Yellow . . . . .	.24	.25
Beth Root, bags . . . . .	.40	.48	Candellilla Wax, bags . . . . .	.36	.38	Cinnamon, Ceylon Nol, bales . . . . .	.50	.51
Blackhaw Bark, root bales . . . . .	.29	.32	Candellilla Wax, bags . . . . .	.36	.38	No. 2, bales . . . . .	.48	.49
Tree, bales . . . . .	.15	.16	Candellilla Wax, bags . . . . .	.36	.38	No. 3, bales . . . . .	.47	.48
Black Indian Root, 160 lb bags . . . . .	.40	.49	Candellilla Wax, bags . . . . .	.36	.38	Civet, Abyssin horns	1.35	1.50
Blood Root, bags . . . . .	.12	.13 1/2	Candellilla Wax, bags . . . . .	.36	.38	Clover Tops bags . . . . .	.16	.17
Blueflag Root, bags . . . . .	.25	.27	Candellilla Wax, bags . . . . .	.36	.38	Cloves, Zanzibar 135 lb bales . . . . .	.26 1/2	.28 1/2
Blood Leaves, bales . . . . .	.19	.23	Candellilla Wax, bags . . . . .	.36	.38	Amboyas, bales	nom	nom
Bonsett Herb, bales . . . . .	.08	.08 1/2	Candellilla Wax, bags . . . . .	.36	.38	Penang, bales . . . . .	.40	.42
Leaves, bales . . . . .	.09	.11	Candellilla Wax, bags . . . . .	.36	.38	Cochineal, Black . . . . .	.62	.68
Borage Flowers, bales . . . . .	.17	.19	Candellilla Wax, bags . . . . .	.36	.38	Silver . . . . .	.62	.63
Bryonia Root, bags . . . . .	.11	.12	Candellilla Wax, bags . . . . .	.36	.38	Soca Leaves, Huancu bags		
SUCHO LEAVES, short, 350 lb bales . . . . .	.58	.60	Candellilla Wax, bags . . . . .	.36	.38	Traxillo, bags . . . . .	.07 1/2	.15
Less bales . . . . .	.60	.65	Candellilla Wax, bags . . . . .	.36	.38	Colosh Root, Black bags . . . . .	.08 1/2	.10
Long bales . . . . .	.11	.13	Candellilla Wax, bags . . . . .	.36	.38	Blue, bags . . . . .	.06 1/2	.07
Buckbean Leaves, bales . . . . .	.06 1/2	.07	Candellilla Wax, bags . . . . .	.36	.38	Colchicum Root, bags . . . . .	.16	.17
Buckthorn Bark, bags60	.65	Candellilla Wax, bags36	.38	Seed, bags30	.35
Berries			Candellilla Wax, bags36	.38	Colocynth, Pulp USP bales		

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the building formerly occupied

by

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G. S. Robins & Company will continue all its former activities in addition to the Whitelaw lines.

Crude Drugs

Coldfoot Leaves, bags .....	.11 : .13	Elecampa Root, bags .....	.08 : .08 1/2	Guarana, tins cases .....	.65 : .80
Comfrey Root, bags .....	.13 : .14	Elder Flowers, bags .....	.10 : .10 1/2	GUM, see Arabic Gum, etc.	
Cendurango Bark, bags .....	.12 1/2 : .13	Elemi Gum, 85 lb cases .....	.19 : .20	HELLEBORE ROOT,	
Conium Herb, bags .....	.11 : .12	Elm bark, select 5 lb bundles cases .....	.24 : .26	Black, bbls .....	.06 : .07
Seed, bags .....	.10 : .11	Grinding, bags .....	.14 1/2 : .16	Powdered .....	.13 : .15
Copaiba Balsam Para, see Balsama		Powdered, bbls .....	.22 : .28	White, 250 lb bbls .....	.09 : .10
Copal Gum .....	.12 : .13	ERGOT 150 lb 200 lb bags .....	.75 : .80	Powdered .....	.12 : .15
Jorlander Seed, Bombay, bags .....	.08 : .08 1/2	Eucalyptus Leaves, bales .....	.05 1/2 : .06	Helonias Root, (unicorn false)	
Morocco, bags .....	.04 1/2 : .05 1/2	Euphorbia Pilulifera Herb., bags .....	.08 1/2 : .09	bags .....	.62 : .65
Bleached bags .....	.08 : .08 1/2	Euphorbia Gum, cases .....	.23 : .27	Hemp Seed, bags .....	.03 1/2 : .04 1/2
Corn Silk bales .....	.06 : .07	Powdered boxes .....	.28 : .30	Henbane Leaves, bales USP, .....	.27 : .28
Cotton Root Bark, bales .....	.13 : .14	Fennel Seed, French, bags .....	.07 1/2 : .08 1/2	No. assay .....	.26 : .27
Cowhage, oz. tins	1.50	German bags .....	.12 1/2 : .14	Henna Leaves, bales .....	.08 1/2 : .10
Cramp Bark, so called bales .....	.06 1/2 : .07	Indian, bags .....	.08 1/2 : .09	Powdered .....	.11 : .13
True, bags .....	.30 : .32	Fenugreek Seed, 200 lb bags .....	.04 1/2 : .05 1/2	Honey, Calif., 120 lb cases .....	.11 : .12
Cranesbill Root, bags .....	.09 : .10	Fish Berries, 100-125 lb bags .....	.07 : .07 1/2	Hops, NY prime bales .....	.28 : .30
CUBEB BERRIES, XX bags .....	.60 : .62	Flax Seed, whole 150 lb bbls	14.75	Pacific Coast prime bales .....	.25 : .27
Powdered, bxs .....	.63 : .65	Ground, 180 lb bbls .....	.08 : .08 1/2	Horhound Herb, bales .....	.08 : .08 1/2
Culvers Root, bags .....	.18 : .20	Fringe Tree Bark, bags .....	.23	Horse Nettle, Berries, bags .....	.35 : .53
Cumin Seed, bags .....	.11 1/2 : .12	Fumigating Pastille Black 1 lb boxes .....	.45 : .50	Horsetail Rush, bags .....	.15
Malta bags .....	.11 1/2 : .12	GalANGAL ROOT, bags .....	.09 1/2 : .10	Hydrangea Root, bales .....	.09 : .10
Morocco bags .....	.10 1/2 : .11	Gaibanum Gum, cases	1.55	India Gum, see Karaya	
Cuttlefish Bone, Trieste, straps .....	.12 1/2 : .13	Gambier Gum, bis .....	.10	INSECT FLOWERS, open whole	
Jewelers large, straps .....	.50	Gamboge Gum, 100 lb cases	1.00	Bales .....	.17 : .22
Small, straps .....	.35	Powdered cases	1.10 : 1.20	Closed, whole bales .....	.24 : .25
French straps .....	.12 1/2 : .13	Gelesmium Root, bgs .....	.09 : .10	Powdered pure, 200 lb bbls .....	.26 : .30
Powdered, boxes .....	.08 : .09	Gentian Root, bags .....	.07 1/2 : .08	Flowers and Stems, 50 p.c.	
Broken, boxes .....	.07	Ground, bbls, boxes .....	.12 : .13	200 lb bbls .....	.19 : .20
Damar Gum, Batavia, 136 lb cs .....	.29 : .30	Powdered, boxes .....	.13 : .13	Ipecac Root, Cartagena bags	nom.
Singapore No 1, cs .....	.40 : .41	Ginger African bags .....	.15 1/2 : .16	Powdered 200 lb bbls bxs	3.30
Damiana Leaves, bales	nom.	Jamaica, grinding bags bbls .....	.17 1/2 : .18 1/2	Rio Whole, bags	nom.
Dandelion Root, Imp., bags .....	.17 1/2 : .20	Japan, bags .....	.20 : .21	Powdered 200 lb bbls bxs	nom.
Deer Tongue Leaves bales .....	.15 : .16	Cochin, ABC & LEMON bgs .....	.18 : .19 1/2	Isinglass American, 130 lb cs .....	.75 : .80
Digitalis Leaves, bales .....	.25 : .30	Ginseng Root, cultivated, bags	8.00 : 10.00	Muselin (Beluga) bxs. ctms	4.00 : 4.50
Dill Seed, bags .....	.08 1/2 : .09	Northwestern Wild, bags	12.00 : 14.00	JABORANDI LEAVES, bales .....	.09 : .10
Cleaned bags .....	.15 : nom.	Southern Wild, bags	8.50 : 10.00	Jalap Root, whole 150 lb bags .....	.25 : .30
Dogwood Bark, Jamaica bags .....	.10 : .11	Golden Seal Root bags	4.90 : 5.10	Powdered, USP, 250 lb bbls .....	.32 : .36
American, bales .....	.07 : .08	Powdered boxes	5.25 : 5.20	Japan Wax, 224 lb cs .....	.17 : .18
Doggrass Root, USP, cut bags .....	.11 1/2 : .12 1/2	Herb bbs	1.25	Job's Tears, White, bags .....	.13 : .13
Dragons Blood, mass cases .....	.70 : .75	Grains of Paradise, bags .....	.14 : .15	Juniper Berries, 125 lb bags .....	.05 : .05 1/2
Reeds, boxes .....	.95 : 1.00	Irish Yell Root bales .....	.09 : .09 1/2	Sifted bags .....	.06
ECHINACEA, Root, bags29 : .30	Quale Gum, 80 lb cases powd.41 : .44	KAMALA USP, boxes92 : .95
				Karaya Gum powdered bbls10 : .15



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Crude Drugs

Kauri Gum No. 168	: .70	Marjoram Leaves, French, bales	.48	: .50	Optum, Powdered, USP, cans....	D 13.00	: 14.00
Kava Kava Root bags .....	.16	: .17	Chilian, bales .....	.35	: .37	Orange Flowers, cases	D .35	: 1.25
Kino Gum, black cases .....	.55	: .60	Mastic Gum, 120 lb cans .....	.52	: .60	Peel, bitter, bags	D .07	: .08
Kola Nuts, 150 lb bags .....	.04 1/2	: .05	Matico Leaves, bales .....	.45	: .48	Sweet bags	D .11	: .11 1/2
Kouso Flowers, bags .....	.50	: 1.25	Mezereon Bark, bags .....	.11	: .12	ORRIS ROOT, Florentine bold bags	D .09	: .10
LADY SLIPPER ROOT, bags....	.45	: .50	Millet Seed, dom., yellow bags	D .03 1/2	: .04	Powdered 200 lb bbls....	D .12	: .13
Larkspur Seed, bags	2.15	: 2.25	Montan Wax, crude bags .....	.06	: .07	Verona, bags	D .09	: .10
Laurel Berries, bags .....	.08 1/2	: .09	Bleached bags .....	.25	: .30	Powdered 200 lb bbls....	D .12	: .13
Leaves, Greek bags .....	...	: nom.	Moss, Iceland, bales .....	.08	: .08 1/2	Fingers, cans	D .60	: .65
Italian bales .....	.04 1/2	: .05	Irish, bleached, balow .....	.13 1/2	: .15	Ookerite Wax, brown hard bags	D .24	: .25
American, bales .....	.25	: .35	Ordinary, bales .....	.08 1/2	: .10	Green, hard bags	D .30	: .31
Lavender Flowers, ordinary .....	.28	: .30	Mullein Flowers, tins .....	.45	: .60	Reddred, yellow, bags	D ...	: .37
Selected .....	.40	: .45	Musk, pods, carbadine, tins	16.00	: 17.00	PAPRIKA, bags	D .21	: .25 1/2
Leeches tubs	Per 100 3.00	: 3.25	Tonquin tins	22.00	: 25.00	Pareira Brava Root, bags....	D .11	: .12
Lemon Peel, bags .....	.07 1/2	: .08	Grain Cab tins	25.00	: 26.00	Parsley Seed, bags	D .15	: .17
Licorice Root, Russian wholes bbls.	.12	: .13	Tonquin tins	35.00	: 38.00	Patchouli, Leaves bales	D .19	: .20
Spanish, natural bales .....	.05 1/2	: .07	Synthetic, see Chemicals .....	...	: ...	Peitroy Root, bales	D .15	: .16
Powdered, bbls .....	.08 1/2	: .10 1/2	Musk Root, Russian bags .....	.80	: .90	Penayroyal	D .08	: .09
Selected, 2 & 5 lb bundles .....	.13	: .16	Mustard Seed Bari brown bags..	.12	: nom.	Pepper black, Sing. bags	D ...	: ...
Cuttings 125 lb bags .....	.06	: .07	Bombay, brown bags .....	.07 1/2	: .08	White bags	D .40	: .41
Turkish, 150 lb bales .....	.05	: .06	California, brown bags .....	.10 1/2	: .11	Aleppy, bags	D .35	: .35 1/2
Yame Juice, clarified bbls....gal	.60	: .65	Yellow bags .....	.11 1/2	: .12 1/2	Lempong bags	D .34	: .34 1/2
Linden Flowers with leaves, bales	.12 1/2	: .15	Chinese, yellow bags .....	.05 1/2	: .06 1/2	Tellecherry, bags	D .36	: .36 1/2
Without Leaves, bales .....	.21	: .25	English, Yellow bags .....	.12 1/2	: .13 1/2	Muntok, bags	D .40	: .41
Lobelia Herb, bales .....	.37	: .40	Dutch, yellow bags .....	.12	: .12 1/2	Red Chillies Japan No 1 bgs....	D .17 1/2	: .18
Seed, bags .....	.60	: .70	Danish, yellow bags .....	.08 1/2	: .09	Mombasa, bags	D .10 1/2	: .10 1/2
Lorag Root, Imported bags .....	.18	: .25	Myrrh Gum, select, 200 lb cs .....	.24	: .25	Capsicum, Bombay, bags	D .10 1/2	: .10 1/2
Lupulin, N. F. tins	1.75	: 1.80	Sorts, cases .....	.20	: .24	Peppermint leaves, imp, bales ..	D ...	: .35
Sands, No. 1 cases	1.00	: 1.05	NUTGALLS, Chinese, bags .....	.17	: .18	Domestic	D .24	: .40
Lycopodium, 88 lb cs .....	.90	: .95	Aleppy, bags .....	.20	: .25	Herb bbls	D .18	: .20
MACE, Siam, No 1	1.00	: 1.02	Powd. bags .....	.21	: .22	Peru Balsam, see Balsams	D .16	: .18
Sands, No. 1, cases	1.08	: 1.10	Nutmegs, 110s cases .....	.52	: .53	Pichi Leaves, bags	D .17	: .18
Batavia, No. 3 cases .....	.87 1/2	: .88	75s, 50s, cases .....	.55	: .56	Pimento Select, bags	D .17	: .18
West India, cases .....	.93	: .94	Grinding, bags .....	.51	: .52	Pink root, true bags	D .60	: .63
Malva Flowers, blue bales .....	.40	: .45	Nux-Vomica Buttons, bags .....	.05	: .06	Pitch, Burgundy, see Burgundy Pitch	D ...	: .12
Black, bales .....	.60	: nom.	Powdered, 200 lb bbls .....	.07 1/2	: .10	Plantain Leaves, bales	D ...	: .12
Manaca Root, bales .....	.16	: .20	OAK BARK, red bags .....	.04 1/2	: .05 1/2	Pleurisy Root, bags	D .19	: .20
Small flake cases .....	.60	: .62	White, bags .....	.04	: .07	Foke Berries, bags	D .15	: .17
Sorts, cases .....	.45	: .48	Olibanum Gum, Sift 280 lb cases	.11	: .12	Root,	D .09	: .10
Mandrake Root, bags .....	.12	: .14	Tears, 280 lb cases .....	...	: ...	Pomegranate Bark, of root bags	D ...	: .35
Marjoram Leaves, German bales..	.48	: nom.	No. 1 all white 280 lb .....	.22	: .23	Of Fruit, bags	D ...	: .30
African, bales .....	...	: ...	No. 2 280 lb cases .....	.12	: .14	Of Tree	D .23	: .25
			Optum, gum, USP, cases	12.00	: 13.00	Poppy Flowers, red bags	D .60	: .65
			Granular, cans	13.00	: 14.00	Head	D .42	: .45

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Poppy Seed, Dutch bags	lb	.12%	.13%	Savory Leaves, bales	lb	.09%	.10	Spruce Gum, boxes	lb	1.00	1.50
German, bags	lb	.09%	.10	Saw Palmetto Berries, bags	lb	.24	.25	Squaw Vine, bales	lb	.16%	.19
Turkish, bags	lb	.08%	.09%	Scammony Resin, boxes	lb	1.35	1.50	Squills, white	lb	.05	.05%
Blue Indian, bags	lb	.08	.09	Root bags	lb	.07%	.08%	Powdered bulk	lb	.12	.15
White Indian, bags	lb	.07%	.08	Senega Root, bags	lb	.68	.70	Stavesacre Seed, bags	lb	.28	.30
Prickly Ash Bark, Southern, bags	lb	.13	.14	SENNA, Alex 150 lb cases	lb	.22	.23	Sticklac, 250 lb bales	lb	.30	.35
Northern bags	lb	.16	.18	Half Leaf, 150 lb cases	lb	.13	.15	Stillinga Root, bags	lb	.10	.11
Berries, bags	lb	.75	.80	Siftings, 400 lb bales	lb	.09	.11	Stone Root, bags	lb	.09	.10
Prince's Pine, bales	lb	.16	.17	Powdered, 200 lb bbls	lb	.13	.14	St. Ignatius Beans, bags	lb	.13	.14
Pulsatilla Herb, bags	lb	.11	.12	Tinnerelly, Bold, 350 lb bbls	lb	.12%	.14	St. John's Bread bags	lb	...	.07%
Pumpkin Seed, bags	lb	.17	.19	Medium Leaf bbls	lb	.10	.11	Stramonium Leaves, bales	lb	.12	.15
QUASSIA CHIPS, bags	lb	.06%	.07%	Small Leaf	lb	.08	.11	Seed bags	lb	.03	.09
Quebracho, bk., 125 lb bls	lb	...	.55	Powdered, 200 lb bbls	lb	.10	.12	Strophanthus Seed, Hispidus	lb	...	nom
Queen of the Meadow Herb	lb	...	.07%	Pods, 350 lb bales	lb	.13	.17	Kombe bags	lb	...	nom
Root, bgs.	lb	...	.08%	Serpentaria Root, bags	lb	.80	.85	Styrax, liquid artif.	lb	.35	.40
Quince Seed, bags	lb	.80	.85	Shellac, D. C. bags	lb	.73	.75	Gen. USP,	lb	.45	.60
Cape hg.	lb	.90	.95	V.S.O. bags	lb	.73	.75	Sunflower Seed, domestic bags	lb	.05%	.06
RAPE SEED, South Amer. bags	lb	.06%	.07	Diamond I. bags	lb	.73	.75	South American, bags	lb	.05	.05%
Dutch, bags	lb	.06%	.06%	Superfine, Orange bags	lb	.53	.55	TAGALDER BARK, bags	lb	.05	.06
Japanese, small, bags	lb	.07%	.08	Fine, bgs.	lb	.51	.52	Tamarinds, bbls	lb	.05%	.06
Raspberries, dried bbls	lb	.08%	.09	T.N. bags	lb	.50	.52	Kegs	per keg	3.75	3.80
Red Saunders, bags	lb	.10	.12	Garnet, A C	lb	.48	.50	Tansy Herb, bales	lb	.18	.19
Rhatany Root bags	lb	.35	.38	auton bags	lb	.56	.58	Tar, Barbadoes, 50 gal bbls	lb	1.40	1.45
RHUBARB, Root H. D. cases	lb	.42	.45	Bone Dry, bbls	lb	.15	.18	Thus Gum, 280 lb bbls	lb	.10%	nom.
Powd. bbls.	lb	.05%	.06	Sideritis Herb, cut bags	lb	.08	.09	Tilia, see Linden			
Rosemary Leaves, bales	lb	.35	.40	Simaruba Bark, bales	lb	.42	.43	Thyme, Spanish bales	lb	.08%	.09
Flowers, cases	lb	.27	.30	Skullcap Leaves, Eastern bales	lb	.24	.26	French, bales	lb	.09	.09%
4one Petals, pale	lb	1.75	2.25	Western bales	lb	.13	.14	Tolu Balsam, see Balsams			
Red	lb	.18	.20	Skunk Cabbage Root, bales	lb	.29	.32	Tonga Bark, bags	lb	...	nom
Rue Herb, bales	lb	.21	.25	Snake Root, Canada, natural bags	lb	.65	.70	Root bls	lb	...	nom
SABADILLA SEED, bags	lb	.26	.30	Stripped bags	lb	.10	.12	Vine bls	lb	1.25	1.30
Powdered bbls	lb	.45	.50	SOAP BARK, whole, 150-200 lb	lb	.08%	.09%	Tonka Beans, Angostura, cases	lb	2.00	2.10
Saffron Flowers, Amer Bales	lb	30.00	32.00	Cut, 125-175 lb bags	lb	...	.11	Para, cases	lb	.85	.90
Valencia, 1 lb cans	lb	.05	.05%	Crushed 200 lb bbls	lb	...	.13	Surinam, cases	lb	...	.90
Sage, Dalmatian bales	lb	.02%	.03%	Powdered, bgs bbls	lb	.25	.27	Tragacanth Gum, No. 1 ribbon	lb	1.65	1.70
Greek, bales	lb	.08	.08%	Spearmint Leaves, American bales	lb	...	.17	No. 2	lb	1.35	1.55
Spandab, bales	lb	.16	.19	Herb, bales,	lb	.38	.42	Powdered, 50 lb boxes	lb	.90	1.00
Sandalwood, chips, bags	lb	.21	.23	Spermaceti, blocks, cakes cases	lb	.15	.17	Turkish, cases	lb	.45	.90
Ground, bags	lb	.40	.42	Spikenard Root, bags	lb	...	...		
Sarsaparilla Root, Honduras, bales	lb	.68	.70								
Mexican	lb	...	nom.								
Massafra Bark, ordinary bales	lb	.15	.17								
Select, bales	lb	.28	.29								

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Turmeric Root, Madras bags08%	.09%
Aleppy bags08%	.09%
Powdered13	.14
China, bags09	.09½
Turpentine, Venice true 80lb cs .....	.30	.35
Artificial, 80lb cases .....	.16	.17
Spirits, see Naval Stores		
UNICORN ROOT , false, see Helonias		
True, see Aleris		
Uva Ursi Leaves, bales .....	.05	.05½
VALERIAN ROOT , Belgian bags .....	.25	.33
Vanilla Beans Mex., whole cases	7.00	9.00
Cuts, cases	5.00	6.50
Bourbon, cases	2.75	3.50
South American, cases	4.50	6.00
Tabiti, yellow label cases	2.65	2.75
Green Label, cases .....	...	...
Vetivert Root, 100lb bags .....	.25	.26
Violet Flowers, bags .....	.70	.72
WAHOO BARK , of root bags .....	.70	.72
Of Tree, bags .....	.30	.32
White Pine Bark, rossed, bags .....	.07	.07½
White Poplar Bark, bags .....	.06	.07
Wild Cherry Bark, thin green		
Rossed, bales .....	.12	.13
Thick Rossed, bales .....	.06½	.07
Thin Natural, bales .....	.08	.09
Thick Natural, bales .....	.10	.11
Willow bark, bags .....	...	.06
White, bags .....	...	.15
Witch Hazel Bark, bgs .....	.07½	.09
Leaves, bales .....	.08½	.09
Worm Seed, American bags .....	.08	.08½
Levant, bags	3.25	3.50
Wormwood Herb, imported bales .....	...	.10
Yacca Gum, red .....	.04	.04½
Ground .....	.05%	.06½
Yellow Root (Zanthoriza) bgs .....	.16	.17
YELLOW DOCK ROOT , bags .....	.10	.12
Yellow Parilla Root, bags .....	.16	.17
Yerba Mate bags .....	.22	.30
Yerba santa, bags .....	.09½	.10
Zedoary Root, bags .....	.06	.08

Essential Oils

Almond, Bitter, USP, 5lb bot	3.00	3.25
Pitter ff PA 5lb bots	3.15	3.35
Sweet, 56lb cans .....	.95	1.00
Apricot, Kernel, 50lb cans .....	.57	.58
Amber, crude 25lb tins .....	.50	.55
Rectified, 25lb tins .....	.75	.82
Angelica Root, 1lb bot	25.00	30.00
Anise Tech., 66lb case .....	.65	.68
USP, 60lb cans .....	.68	.72
Bay, 25lb tins	2.15	2.25
Terpeneless	6.00	6.50
Bergamot, 25lb coppers	5.40	5.75
Terpeneless	10.00	14.00
Artificial, 25lb cans	2.00	2.20
Birch Tar, rect., 5 lb bot .....	.50	.60
Crude, 50lb tins .....	.20	.25
Bois de Rose, tins	3.25	3.50
Cade, 25lb cans .....	.26	.27
Cajuput native 50lb tins .....	.70	.75
Calamus, 5lb bot	3.75	4.00
Camphor, Sassy 1000lb drs .....	...	14½
White 1000lb drs .....	.11½	.12
Cans, 50lbs .....	.14	14½
Cananga, native, 25 tins	2.60	2.75
Rectified, 25lb tins	3.25	3.40
Caraway, USP,	1.60	1.70
Cardamom, USP, 1lb bot	40.00	45.00
Carvel, 5lb bot	8.75	9.75
Cascarilla, USP, 1lb bot	50.00	52.00
CASSIA , 80-85% 400lb drs	2.60	2.75
Redistilled USP, 50lb cans	3.25	3.35
Cedar Leaf, 50lb tins .....	.80	.90
Cedar Wood, light 1,000 lb drs .....	.52	.55
Celery, 1lb bot	9.50	10.00
Chaulmoogra, 80lb cases .....	.85	.90
Cinnamon Ceylon, 1lb bot	10.50	11.00
Leaf, 5lb bot	1.40	1.50

CITRONELLA, Ceylon

1,000lb drums .....	.48	.49
50lb tins .....	.49	.50
Java, 400lb drums .....	.97	.90
50lb tins .....	.90	1.00
Cloves, USP, 50lb cans	1.85	1.90
6lb bot	1.90	1.95
Copaiba .....	.40	.45
Coriander, USP, 1lb bot	8.50	9.00
Croton, USP, 25lb tins .....	.90	1.00
Cubebs, USP, 5lb bot	4.25	4.50
Cumin, 1lb bot	10.50	11.00
Dill, 25lb cans	3.75	4.00
Erigeron 20lb tins	6.50	7.00
EUCALYPTUS , Austl. USP,		
56lb cs .....	.55	.56
500lb drums .....	.55	.60
Fennel, USP, 25lb tins .....	.80	.85
Geranium, African 25lb cans	4.50	4.75
Bourbon, 25lb tins	3.75	4.00
Turkish, 28lb tins	3.25	3.50
Ginger, 1lb bot	9.75	10.00
Gingergrass, 28lb tins	2.50	2.75
Hemlock, 25lb tins .....	.85	.87
Juniper Berries, USP, 25lb tins	2.25	2.45
Wood, 50lb tins .....	.50	.60
Lavender USP, 28lb tins	5.00	5.25
Spike, Spanish, 50lb cans	1.10	1.50
LEMN , Ital USP, 25lb cans	2.05	2.30
Terpeneless	8.00	10.00
American, USP, 25 cans	1.90	2.00
Lemongrass, native 50lb cans	1.10	1.20
Limes, expressed 25lb tins .....	...	6.00
Distilled, 25lb tins	2.35	2.60
Linaloe Mex., 80lb cases	3.25	3.50
Mace, distilled, 50lb tins	1.80	1.85
Mirbane, ref., Aromatic Chemicals		
Mustard, USP, 1lb bot	14.00	14.25
Artif., USP, 5lb bot	2.10	2.25
Neroli, Bigarade ½ & 1 lb bot	75.00	100.00
Petale, 1 lb bot	100.00	125.00
Artificial, 1lb bot	10.00	20.00

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Nutmeg, USP, 25 lb tins	1.80	1.85	Vetiver, Bourbon, 1 lb bot	17.00	18.00	Linalool, 5 lb bot	6.00	6.25
Orange, bitter, 25 lb tins	2.65	2.75	Indian, 1 lb bot	30.00	40.00	From Bois de Rose, 5 lb bot	7.00	7.25
Sweet W Ind., 25 lb tins	2.65	2.85	Java, 1 lb bot	20.00	22.00	MENTHOL , 60 lb cases	7.50	8.00
Italian 25 lb cop	2.95	3.25	Wine, heavy, 1 lb bot	1.50		less cases, 5 lb cans	7.75	8.25
American, 25 lb tins	2.80	2.90	WINTERGREEN			Rhodinol, 1 lb bot	16.00	20.00
Distilled, 25 lb tins	1.70	1.75	Sweet beh., 25 lb tins	3.00	4.50	Extra, 1 lb bot	35.00	42.00
Spanish 25 lb tins	2.95		Southern, 25 lb tins	1.85	2.00	SAFROL , drums . . . . .	. . .	.31
Origanum, 50 lb cans tech. . . . .	.25	.28	Gaultheria, true 25 lb tins	7.00	8.00	60 lb cans . . . . .	. . .	.33
Parsley, 1 lb bot	3.50	3.60	Southern, 25 lb tins	3.75	4.00	Thymol, USP, 25 lb tins	4.25	4.50
Patchouli, 5 lb bot . . . . .	. . .	5.25	Synthetic, see Methyl Salicylate			SYNTHETIC AROMATICS		
Pennyroyal, dom., 25 lb tins	2.50	2.75	Wormseed, Balt. USP, 25 lb tins	6.25	6.50	Acetophenone, CP, 1 lb bot	3.50	3.75
Imported, 25 lb tins	2.40	2.50	Wormwood, dom., 25 lb tins	7.25	7.50	Aldehyde, C-8 (Octyl) 1 lb bot	45.00	60.00
PEPPERMINT nat 60 lb case	27.00	28.00	Ylang Ylang Bourbon 10 lb tins			C-9 (Nonyl), 1 lb bot	70.00	75.00
Reds., USP, 60 lb cases	28.00	29.00	No 1	8.00	9.00	C-10 (Decyl) 1 lb bot	50.00	58.00
Petit Grain, S.A. 25 lb tins	2.25	2.30	No 2	6.00	7.00	C-12 (Dodecyl), 1 lb bot	27.50	32.50
French, 1 lb bot	6.50	7.00	Manila, 1 lb bot	35.00	40.00	C-14, 1 lb bot	22.50	25.00
Italian 25 lb tins	2.20	2.30	OLEORESINS			C-16, 1 lb bot	70.00	80.00
Pimento, 25 lb tins	5.50	5.75	Aspidium, USP, 1 lb bot	2.00	2.25	Auhepine, see Anisic Aldehyde		
Pinus Sylvestris 25 lb tins	1.40	1.75	Capsicum, USP, 1 lb bot	2.00	2.25	Amyl Acetate, pure 5 gal cans gal	4.75	5.50
Fumillo, USP, 25 lb tins	2.25	2.50	Cubeb, USP, 1 lb bot	4.00	4.50	Butyrate, 1 lb bot	1.90	2.00
Rose, Fr., 8, 16, & 32 oz pkgs	9.00	9.50	Ginger, 5 lb bot	3.50	3.75	Cinnamate, 1 lb bot	4.00	4.50
Bulg., 8, 16, & 32 oz pkgs	10.00	11.00	Malefern, See Aspidium			Formate, 1 lb bot	1.75	2.00
Artificial, 1 lb bot	2.00	2.75	Orris, 1 lb bot	15.00	18.00	Phenyl Acetate, 1 lb bot	4.50	5.00
Rosemary, USP, 27 1/2 lb tins . . . . .	.47 1/2	.52 1/2	Pepper black USP, 1 lb bot	3.50	3.75	SALICYLATE , dom. 100 lb		
1000 drums . . . . .	.45	.47	Vanilla, 1 lb bot	12.50	16.50	chys	1.45	1.50
Tech., 27 1/2 lb tins . . . . .	.37 1/2	.38				Imported	2.25	2.50
Rue, 1 lb bot . . . . .	. . .	4.00				Valerate, 5 lb bot	2.75	3.00
Sandalwood E Ind USP, 75 lb			Aromatic Chemicals			Butyrate, 1 lb bot	3.25	3.50
Cases	7.15	7.25	NATURAL DERIVATIVES			BENZALDEHYDE , USP, 40 lb chys	1.15	1.25
W. Indian (Amayris) 25 lb tins	1.85	2.00	Anethol, 2 lb bot	1.00	1.25	FFC, 40 lb chys	1.30	1.40
Sassafras, USP, 50 lb cans . . . . .	.80	.90	Borneol, 1 lb bot	2.50	2.60	Imported, USP,	1.10	1.25
Artificial, 1000 lb dip., 60-lb cans . . . . .	.27	.29	CITRAL , 25 lb cans	2.75	3.00	Benzic Ether, See Ethyl Benzoate		
Savin, 50 lb tins	2.00	2.15	Citronellal 1 lb bot	2.50	3.00	Benzophenone 1 lb bot	4.50	5.00
Spearmint, USP, 50 lb tins	13.00	14.00	EUCALYPTOL , USP, 50 lb cans . . . . .	.90	.95	Benzyl Acetate 100 lb chys	1.30	1.40
Spruce, 50 lb tins . . . . .	.85	.87	Eugenol, USP, 25 lb cans	2.75	3.00	Alcohol, 5 lb bot	1.40	1.50
Tansy, Amer., 20 lb tins	6.50	7.00	Geraniol, Domestic, 50 lb cans	2.50	3.00	BENZOATE 5 lb bot	1.25	1.35
Tar, 50 gal bbls . . . . .	.25	.30	Imported, 5 lb bot	2.75	3.25	Medicinal FFC	1.45	1.60
USP, 25 lb tins . . . . .	.80	.85	Iso-Eugenol, 1 lb bot	3.75	3.90	Butyrate, C.P. 1 lb bot	6.00	6.50
Thyme, red. USP, 25 lb tins95	1.00	Imported	3.75	3.90	Cinnamate 1 lb bot	9.75	10.00
White, USP, 25 lb tins65	.70				Formate, 1 lb bot	3.00	3.25
Tech., 110 lb drums65	.70						

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Benzyl Alcohol

Benzyl Acetate

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Benzyl Propionate, 1lb bot	5.00	5.25
Bornyl Acetate, 1lb bot	3.25	3.50
Bromstyrol, 25lb cases	3.75	4.25
Butyl Anthranilate 1lb bot dom		16.00
Butyric Ether, See Ethyl Butyrate		
Cinnamic Acid, 5lb cans	2.90	3.25
Alcohol, liquid, 1lb bot	6.90	7.00
Crystallizable	7.00	8.00
Aldehyde	3.00	3.25
CITRONELLA, 1lb bot	7.50	9.00
Imported, 1lb bot	7.75	9.00
Citronyl Acetate, 1lb bot	13.00	14.00
COUMARIN, 25lb cans	3.10	3.25
DIETHYL PHTHALATE, See Chemicals		
Diphenyl oxide, 25lb tins	.85	.90
Ethyl Acetate, pure, 5lb bot	.45	.50
Benzoate, 5lb bot	1.75	1.90
Butyrate, 5lb bot	1.90	2.10
Caproate, 1lb bot	3.25	3.50
Cinnamate, 1lb bot	3.50	3.75
Formate, 5lb bot	.90	1.25
Ethyl-methyl Paracresol, 1lb bot	3.25	3.50
Ethyl Phenylacetate, 5lb bot	3.75	4.00
Propionate, 1lb bot	1.75	2.00
Valerate, 5lb bot		3.75
Salicylate, 5lb bot	2.00	2.10
Formic Ether, See Ethyl Formate		
Geranyl Acetate, 1lb bot	4.50	5.00
Butyrate, 1lb bot	13.00	13.50
Formate, 1lb bot	12.00	12.50
Heliotropin, dom., 100-10 lbs	1.65	1.75
Imported	2.00	2.25
Hydroxycitronellal, 1lb bot	12.00	14.00
Indol, CP, 1 oz bot	6.00	6.50
Ionone, 1lb bot 100%	10.00	11.00
Alpha	14.50	16.00
Beta	12.75	14.50
Methyl	16.00	18.00
Iso-Butyl Benzoate 5lb bot	4.75	5.00

Iso-Safrol 1lb bot imp	3.75	4.00
Domestic 5lb bot	3.50	3.75
Linalyl Acetate, 1lb bot	8.00	9.50
Benzoate, 1lb bot	13.00	14.00
Formate, 5lb bot	10.50	12.00
Methyl Acetophenone	3.75	4.00
ANTHRANILATE dom., 1lb bot	2.50	3.25
Imported	2.50	3.00
Benzoate, 5lb bot import	1.90	2.00
Domestic, 5lb bot	1.75	2.00
Cinnamate, 1lb bot	3.75	4.25
Heptenone, 1lb bot	8.00	8.50
Paracresol, 1lb bot	8.00	9.00
Phenylacetate 5lb bot dom	3.75	4.00
SALICYLATE, USP, 500lb		
50lb drums		.43
cases		.45
Second Hands	.42	.43
Mirbane, rect., 1000lb drums	10	12
Musk Ambrette, 1lb cans	10.00	10.50
Ketone, 1lb cans	11.50	12.00
Xylene 5lb cans	3.25	3.50
Nerolin, 1lb cans	1.50	1.60
Oenanthalic Ether, 1lb bot	1.75	2.00
Para-Cymene, Refd., 110 gal drs gal	2.25	2.50
Phenylacetaldehyde, Dom.,		
1lb. bot 50 pc	8.00	8.50
Imported, 50 p.c.	7.00	7.50
80-85 p.c.	14.00	16.00
Phenylacetic Acid, 1lb bot	3.00	3.25
Phenyl Diacetate, 1 oz bot	3.25	3.50
1lb bot	8.00	10.00
Imported	7.00	7.75
Phenylethyl Alcohol, 1lb bot	6.00	7.00
Phenylethyl Butyrate 1lb bot	26.00	28.00
Formate, 1lb bot	19.00	21.00
Propionate, 1lb bot	20.00	24.00
Valerate 1lb bot	25.00	29.00
Phenylpropylalcohol, 1lb bot	15.00	16.00
Skatol, 1 oz bot	7.00	7.25
Terpinyl Acetate 25lb cans	1.25	1.35
Imported, 25lb cans	1.25	1.35

TERPINEOL, CP, 1000lb drs	.29	.31
Cans, 50lb	.34	.35
Absolute, 25lb cans	.50	.60
Imported, 25lb cans	.36	.38
VANILLIN, USP, 500 oz cans oz		.49
Cans, 16 ozs., 80 ozs	.50	.51
Second Hands	.45	.48
Valerianic Ether, See Ethyl Valerate		
Yara Yara, 1lb cans	1.50	1.60
PERFUMERS' SUNDRIES		
Almond Meal, 25lb cans	.34	.25
Amber, liquid 400lb drs	2.20	2.30
Ambergris, black bxs	8.00	10.00
Ambergris, gray bxs		26.00
Balsam Copaiba, Para, 80lb cases	.42	.45
South American, 80lb cases	.44	.47
Peru, 120lb cases	1.75	1.80
Tolu, 90lb cases	1.40	1.50
Benzoin Gum, Siam, bxs	1.30	1.40
Castoreum, 1lb bot	3.75	4.00
Chalk, precip, light, 175lb bbls	.04 1/2	.05
Cherry Laurel Water, 5 gal cans gal	1.15	1.25
Civet Abyssin horns	2.10	2.25
Labdanum, 5lb bot	7.50	8.00
Lanolin hydrous, 350lb bbls	.15	.21
Anhydrous, 350lb bbls	.18	.23
Musk pods, Cabardine, tins	16.00	17.00
Tonquin, tins	22.00	25.00
Grains, Cabardine, tins	25.00	26.00
Tonquin, tins	34.00	35.00
Synthetic, See Aromatic Chemicals		
Orris Rt., Flor., powd bbls	.12	.13
Verona, powd. bbls	.10	.11
Petrolatum, snow white 350lb bbls	.12 1/2	.13
Light Amber, 350lb bbls	.04 1/4	.04 1/2
Rice Starch, 140lb bgs	.09	.10
Rose Water, 6 2-3 gal chys	1.00	1.25
Sandalwood chips powd., bags	.45	.55
Saponin, 5lb tins	1.15	1.30
Talc, Italian 220lb bgs	60.00	80.00
French 220lb bags	40.00	45.00
Domestic ref., 100lb bags	14.00	15.00

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ASAR AGAR—25 brls., Shima Trdg Co., Osaka
ALUMINUM—Hydroxide, 21 cs., Wander & Co., Hamburg; Hydrate, 27 cks., A Hurst & Co., Marseilles

AMMONIUM—Phosphate, 5 cks., Order, Hamburg; Sulfate, 2 kegs, Weiss Fwdg Co. London

ANTIMONY—200 cks., Heemsoth Basse & Co., Havre; 100 cs., Order, Havre; 500 cs., Order, Hongkong; 50 cs., Order, Hamburg; 150 cs., W. Schall & Co., Hamburg; 300 cs., 100 brls., Order, Hamburg; Oxide, 150 bgs., Wah Chang Trdg Corp., Shanghai; Regulus, 250 cs., Associated Metals & Minerals Co., Hamburg; 250 cs., D L Moss & Co., Shanghai

ARGOLS—257 bgs., Order, Lisbon
ARSENIC—157 brls., Amer Smelting & Ref Co., Tampico

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ance Corp., St Johns; **Codliver**, 175 brls., Baltimore & Ohio R R Co., Bergen; 22 cks., 310 brls., Order, Bergen; 140 brls., E R Squibb & Sons, St Johns; 2 cks., 28 brls., Mead Johnson & Co., St Johns; 500 cks., Order, Hamburg; **Eucalyptus**, 40 cs., J F McCoy & Co., Melbourne; **Olive**, 300 brls., W R Grace & Co., Malaga; 250 cs., J H Schroeder Banking Corp., Malaga; 306 brls., Leghorn Trdg Co., Malaga; 550 cs., Order, Genoa; 250 cs., Amer Exp Co., Leghorn; 1,140 cs., Order, Leghorn; 190 cs., Cosimo Daniele, Genoa; 400 cs., Banfi Products Corp., Genoa; 255 cs., L C Dever Corp., Genoa; 1,170 cs., Order, Genoa; 675 cs., Order, Genoa; 330 cs., Bragno & Mustari, Leghorn; 100 cs., Italian Grocery Co., Leghorn; 100 cases, Coal & Iron Nat Bank, Genoa; 725 cs., Order, Genoa; **Olive Oil**, 200 brls., Order, Patras; 200 brls., Banca Comm Italiana, Patras; 200 brls., Leghorn Trdg Co., Messina; **Palm**, 3,150 pgs., Niger Co., Matadi; 178 cks., A H Bull & Co., Dakar; 54 cks., African & Eastern Trdg Co., Hamburg; 417 cks., Order, Hamburg; 313 cks., African & Eastern Trdg Co., Hamburg; **Kernol**, 87 brls., 625 cks., Order, Hamburg; 54 cks., African & Eastern Trdg Co., Hamburg; **Pine Tar**, 89 brls., Chatham & Phenix Nat Bank, Gothenburg; **Wood**, 35 cs., National City Bank, Singapore

OILS ESSENTIAL—300 brls., Heidelbach Ickelheimer & Co., Lisbon; 12 drs., Order, Malaga; 15 drs., G Lueders & Co., Barcelona; 1 dr., G Lueders & Co., Marseilles; 1 cks., 35 cs., Goldman Sachs & Co., Marseilles; 2 cs., F Lelong, Marseilles; 1 cks., Nat City Bank, Grasse; 8 cs., A Chiris & Co., Grasse; 23 cs., Order, Leghorn; 21 cs., Fritzsche Bros., Hamburg; 9 cs., W J Bush & Co., London; 120 cs., Order, Messina; **Almond**, 20 cs., Order, Marseilles; **Anise**, 3 cs., Bank of N Y & Trust Co., Hongkong; **Caraway**, 5 drs., M W Duran, Pisco; 10 cs., Order, Hamburg; **Cassia**, 5 drs., A W Lotz & Co., Shanghai; 5 drs., Morana Inc., Shanghai; **Cinnamon**, 9 cks., Chem Nat Bank, Marseilles; **Geranium**, 4 cs., Davies Turner & Co., Marseilles; 7 cks., A Chiris & Co., Marseilles; 10 cks., Order, Marseilles; **Lavender**, 8 cks., Ungerer & Co., Marseilles; 2 cks., Dodge & Olcott, Marseilles; 21 cs., Dodge & Olcott, Grasse; 1 cse., J Lyon, Grasse; 24 cs., Fritzsche Bros., Grasse; **Lemon**, 100 cs., Magnus Mabec & Reynard, Messina; 100 cs., Dodge & Olcott, Messina; 50 cs., Bank of Manhattan Co., Messina; 80 cs., Order, Messina; **Mandarin**, 30 cs., Dodge & Olcott, Messina; **Orange**, 40 cs., Gillespie & Co., Kingston; 83 cs., Barclays Bank, Kingston; 20 cs., Order, Kingston; 102 cs., Barclays Bank Port Antonio; 50 cases, Dodge & Olcott, Messina; 100 cases, Order, Messina; **Rye**, 1 cse., G W Sheldon & Co., Hamburg; **Vetiver**, 1 drum 1 cse, Unger & Co., Marseilles; **Ylang Ylang**, 16 cs., Ungerer & Co., Marseilles

OPIUM—25 cs., Norton Lilly & Co., Marseilles

OSSEINE—1,000 bgs., Order, Marseilles

OZOKERITE—382 bgs., J Dick, Hamburg

PHORMIUM TENAX—60 bls., Order, Wellington

PIASSAVA—1,453 bds., A H Bull & Co., Dakar

PITCH—Montan, 900 bgs., Strohmeyer & Arpe Co., Hamburg

POTASSIUM SALTS—63 cks., Roessler & Hasslacher Chem Co., Hamburg; 46 cks., A Klipstein & Co., Hamburg; 100 cks., Bk of America, Hamburg; 68 brls., Innis Speiden & Co., Hamburg; 17 cks., A Klipstein & Co., Hamburg; 50 cks., Order, Hamburg; **Alum**, 250 cks., A Klipstein & Co., Hamburg; 100 kegs, Equit Trust Co., Hamburg; **Carbonate**, 27 cks., Parsons & Petit, Hamburg; 25 brls., Order, Hamburg; **Caustic**, 345 drs., A Klipstein & Co., Hamburg; 510 drs., Innis Speiden & Co., Hamburg; **Chlorate**, 2,100 cks., United Chem Corp., Hamburg; 50 drs., Monmouth Chem Corp., Hamburg; 300 cks., Uniform Chem Products Co., Hamburg; 1,100 cks., Seaboard Nat Bank, Hamburg; **Chloride**, 1,500 cks., Uniform Chem Products Co., Hamburg; **Muriate**, 1,250 bgs., Potash Imptg Corp of America, Hamburg; 360 tons, 250 bgs., Soc Comm Des Potasses d'Alsace, Antwerp; **Nitrate**, 1,016 bgs., Kuttroff Pickhardt & Co., Hamburg; 200 bgs., Order, Hamburg; **Sulfate**, 250 bgs., Potash Imptg Corp of America, Hamburg

PYRIDINE—2 drs., Order, Manchester; 12 drs., Order, Hamburg

QUICKSILVER—100 flasks, Order, Alicante; 100 bottles, Leghorn Trdg Co., Leghorn

ROOTS—3 bls., J Schoenegan, Hamburg; 5 bls., W Benkert & Co., Hamburg; 20 bls., Order, Antwerp; 253 bls., Order, Marseilles; **Althea**, 4 bgs., S B Penick & Co., Leghorn; **Doggrass**, 10 bgs., S B Penick & Co., Hamburg; **Licorice**, 5 pgs., H Utard, Tarragona; 35 bls., American Dye-wood Co., Hamburg; **Medicinal**, 25 bgs., Peek & Velsor, London; 24 bgs., R Hillier Sons Co., London; 12 bls., Nat City Bank, Singapore; **Orris**, 143 bgs., Order, Leghorn; **Sarsaparilla**, 10 bls., Eli Lilly & Co., Kingston

ROSIN—25 cs., G Lincks, Marseilles; 700 cs., Gray Hammill Co., Tampico

SACCHARIN—17 cs., G Lueders & Co., Hamburg

SALTS—5 bgs., Potash Imptg Corp of Amer., Hamburg

SALTPETRE—2,720 bgs., Kuttroff Pickhardt & Co., Hamburg

SEAGRASS—100 bls., King & Walters, Canton

SEED—Anise, 240 bgs., Order, Malaga; 50 cts., McLaughlin Gormley & King, Hongkong; **Anatto**, 2 bgs., Macy & Dunham, Kingston; **Canary**, 250 bgs., Equit Trust Co., Malaga; 202 cks., Order, Marseilles; 243 bgs., C E Armstrong, Buenos Aires; **Castor**, 2,032 bgs., N Y Trust Co., Pernambuco; 100 bgs., Bank of America, Santos; **Coriander**, 27 cks., Order, Marseilles; **Cumin**, 202 bgs., Nat City Bank, Trieste; **Fennel**, 90 bgs., Order, Marseilles; **Mustard**, 150 bgs., Bank of America, Hamburg; **Psyllium**, 72 bls., A F Rolosen, Marseilles; **Rape**, 375 bgs., Order, Oturu; 155 bgs., Catz Amer Corp., Hamburg

SHELLAC—100 bgs., Nat City Bank, Calcutta; 25 cs., Brown Bros & Co., Calcutta; 785 bgs., 50 cs., Order, Calcutta; 100 bgs., Irving Bank, Calcutta; 200 bgs., British Overseas Bank, Calcutta; 100 bgs., Equit Eastern Banking Corp., Calcutta; 785 bgs., 135 cs., Order, Calcutta; **Garnettlac**, 300 bgs., Brown Bros & Co., Calcutta; **Seedlac**, 100 bgs., Nat City Bank, Calcutta; 94 bgs., Nat City Bank, Calcutta; 100 bgs., Equit Eastern Banking Corp., Calcutta; 142 bgs., Order, Calcutta; **Sticklac**, 145 bgs., Amisnck Sonne & Co., Singapore; 125 cs., Innes & Co., Singapore; 145 bgs., Amisnck Sonne & Co., Singapore

SOAP—11 cs., A Henning, Marseilles; 500 cs., J Smith & Co., Marseilles; 400 cs., Amer Hawaiian S S Co., Marseilles

SODIUM SALTS—Chlorate, 800 cks., Monmouth Chem Corp., Hamburg; **Cyanide**, 5000 cs., Amer Cyanamid Co., Hamburg; **Fluoride**, 8 brls., Innis Speiden & Co., Hamburg; **Hyposulfite**, 21 cks., E M Sergeant & Co., Marseilles; **Nitrate**, 6,155 bgs., R W Greiff & Co., Skien; 3,256 bgs., E J DuPont de Nemours Co., Iquique; 11,745 bgs., W R Grace & Co., Iquique; 1,536 bgs., W R Grace & Co., Antofagasta; 1,016 bgs., Kuttroff Pickhardt & Co., Hamburg; **Silico Fluoride**, 141 cks., Junemann & Co., Hamburg; **Sulfurate**, 398 drs., C S Grant & Co., Hamburg

SILVER SULFIDE—51 cs., Watson Geach & Co., Antofagasta

SPONGES—27 bls., Amer Exp Co., Havana; 44 bls., G W Sheldon & Co., Havana; 39 bls., Atlas Sponge Co., Havana; 50 bls., J H Rhodes & Co., Nassau; 45 bls., Lasker & Bernstein, Nassau

SULPHUR—Lime, 200 sks., Cooper & Cooper, Marseilles

SWAC—200 bgs., Order, Palermo

SYLVINIT—5 bgs., Potash Imptg Corp of America, Hamburg

TALC—400 bgs., L A Salomon & Bro., Genoa; 200 bgs., Order, Genoa; 200 bgs., C Mathieu Co., Genoa; 400 bgs., Ital Discount & Trust Co., Genoa

TAPIOCA—Flour, 927 bgs., Catz Amer Corp., Batavia; 2,340 bgs., Nat Bank of Commerce, Batavia

TAR—35 cs., Order, Hamburg; **Wood**, 200 brls., Order, Hamburg

TARTAR—269 bgs., Tartar Chem Works, Tarragona; 216 cks., Tartar Chem Works, Barcelona; 504 cks., Harshaw Fuller & Goodwin, Marseilles; 1,011 bgs., C Pfizer & Co., Marseilles

THORIUM & CERIUM NITRATE—20 cs., Pfaltz & Bauer, Hamburg

THORIUM NITRATE—10 cs., Order, Hamburg
VALONIA—8,778 bgs., Order, Patras
VANILLA BEANS—10 cs., Nat City Bank, Marseilles

WAX—99 bbls., 237 bgs., Order, Lisbon; 400 bgs., Order, London; 41 sks., Nat Bank of Commerce, Marseilles; **Bees**, 40 cs., Brown Bros & Co., Hamburg; 27 bgs., Nat Bank of Commerce, Alexandria; 35 bgs., Brown Bros & Co., Alexandria; 13 bgs., Nat Bank of Commerce, Valparaiso; 218 bgs., Nat Bank of Commerce, Hamburg; 56 bgs., Order, Genoa; **Ceresin**, 30 bgs., Strahl & Pitsch, Hamburg; **Montan**, 2,150 bags, Strohmeyer & Arpe Co., Hamburg; **Spermaceti**, 150 cases, Smith & Nichols, Glasgow; **Vegetable**, 100 cs., Nat Bank of N Y, Kobe; 100 cs., Mitsui & Co., Kobe

WHITING—200 bgs., A Hurst & Co., Havre; 900 bgs., C D Chrystal & Co., Havre; 506 bgs., L A Salomon & Bro., Havre; 800 bgs., E L Bullock & Sons, Havre; 5,566 bgs., Taintor Trdg Co., Dunkirk

WINE LEES—1,262 bgs., Royal Baking Powder Co., Buenos Aires

WOODFLOUR—2,250 bgs., B L Soberski Co., Sarpborg; 782 bgs., Corn Exch Bank, Gothenburg; 16 bgs., Burnett Co., Gothenburg

WOOL GREASE—100 brls., Bankers Trust Co., Hamburg

ZINC SALTS—108 cks., A Klipstein & Co., Antwerp

XYOL—1 drum, R W Greeff & Co., Hamburg

IMPORTS AT PHILADELPHIA

Dec. 24 to 30

ACID—Formic, 100 balloons, R W Greeff, Rotterdam

AMMONIA—Muriate, 40 casks, Order, Rotterdam

BARIIUM—Chloride, 52 casks, Order, Antwerp

CHALK—1,200 bags, Brown Bros., Antwerp; 1060 bags, Chatham & Phenix Bank, Antwerp; 500 bags, Order, Antwerp

CHEMICALS—82 casks, Order, Rotterdam; 40 casks, Order, Rotterdam

CLAUBER SALTS—165 bags, Chas Kurz & Co., Rotterdam

GLUE—111 bags, Baeder Adamson Co., Antwerp

GLYCERIN—17 casks, Order, Havre; 50 drums, crude, Order, Dunkirk, 200 drums, Crude, Order, Antwerp; 20 casks, dynamite, Hercules Powder Co., Rotterdam; 40 casks, Crude, Order, Marseilles

GUM—Cepal, 200 bags, Brown Bros., Antwerp; 25 bags, Order, Antwerp; 56 bags, John H Faunce, Liverpool; **Sandarac**, 31 bbls., Order Casa Blanca

IRON OXIDE—20 casks, Order, Liverpool
LIME—Chlorinated, 50 cases, Kohnstamm & Co., Liverpool

OIL—Rape, 25 bbls., Order, Rotterdam; **Linseed**, 100 bbls., Order Rotterdam; **Cod Liver**, 25 bbls., Order, Rotterdam; **Olive**, 250 cases, Order, Genoa; **Palm**, 14 casks, Order, Liverpool

PAPRIKA—6 bags, F B Vandegrift, Alicante; 73 bags, Order, Alicante

POTASH—Nitrate, 10 casks, R W Greeff, Hurum

PYRITES—3,938,130 kilos, Pyrite Co., Huelva; 7,347,980 kilos, Pyrite Co., Huelva

SEED—Caraway, 50 bags, Order, Rotterdam; **Poppy**, 25 bags, Order, Rotterdam; **Strophanthus**, 5 cases, McIlvaine Bros., Liverpool

SHELLAC—250 bags, Order, Calcutta

SODIUM—Sulfide, 98 drums, Order, Antwerp; **Nitrate**, 50 casks, Order, Rotterdam; 2,053 bags, R W Greeff, Brevili

STARCH—Potato, 75 bags, Order, Rotterdam; 450 bags, Stein Hall Co., Rotterdam

VANILLA—20 cases, Order, Marseilles

IMPORTS AT BALTIMORE

Dec. 23 to 30

ACID—Oxalic, 20 casks, 12,232 lbs., F H Shallus Co., Hamburg

BALSAM—8 cases, 594 lbs., W C Sullivan Co., Hamburg

FLUOR SPAR—177,920 lbs., to order, Manchester

GELATIN—30 bales, Townsend, Grace & Co., 4,620 lbs., Marseilles

LAUREL LEAVES—25 bales, 3,056 lbs., McCormick & Co., Leghorn

MANGANESE ORE—5,998 tons, Bethlehem Steel Corp., Poti; 7,200 tons, United States Steel Products Co., Rio de Janeiro

MOLASSES—600,000 gals., Cuba Distilling Co., Antilla; 700,000 gals., Cuba Distilling Co., Budafaro

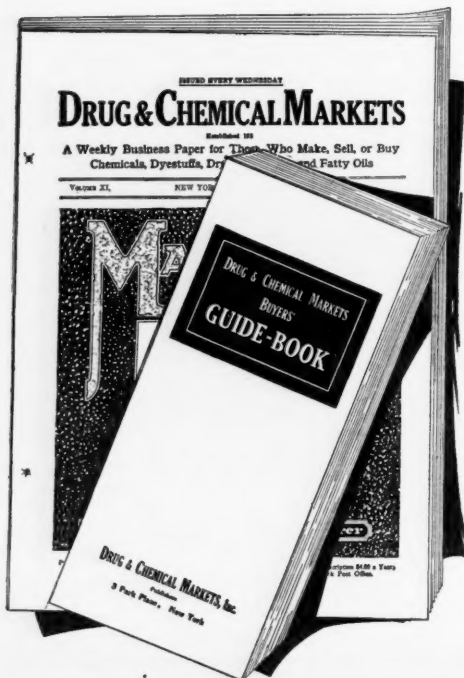
NITROGENOUS MATERIAL—1,177 bags, 221,283 lbs., F H Shallus Co., Hamburg

OCHRE—50 casks, 311,696 lbs., Richard Coulson, Inc., Marseilles

OIL—Olive, 21 cases, 1,991 lbs., Trinacria Macaroni Works, Palermo; **Sod**, 138 cases, 30 tons, Baltimore and Ohio railroad, Liverpool

POTASH—78 casks, 59,825 lbs., F H Shallus Co., Hamburg; 202 bbls., 56,311 lbs., F H Shallus Co., Hamburg; **Kainit**, 798,721 lbs., Potash Importing Corp., Hamburg; 400,382 lbs., F H Shallus Co., Hamburg; 499,466 lbs., F H Shallus Co., Hamburg; **Manure Salt**, 20%, 1,597,006 lbs., F H Shallus Co., Hamburg; 600,675 lbs., F H Shallus Co., Hamburg; 30%, 220,031 lbs., Potash Importing Corp., Hamburg; 20%, 400,457 lbs., F H Shallus Co., Hamburg; 20%, 400,453 lbs., F H Shallus Co., Hamburg; 30%, 250,997 lbs., Potash Importing Corp., Hamburg; **Muriate**, 1,000 bags, 201,948 lbs., Potash Importing Corp., Hamburg; 1,000 bags, 201,948 lbs., F H Shallus Co., Hamburg; 1,000 bags, 201,948 lbs., Potash Importing Corp., Hamburg; 2,600 bags, 574,200 lbs., F H Shallus Co., Hamburg; 6,340 bags, 1,398,703 lbs., F H Shallus Co., Hamburg; 1,500 bags, 200,302 lbs., F H Shallus Co., Hamburg; 6,000 bags, 1,766,600 lbs., F H Shallus Co., Hamburg; 750 bags, 150,711 lbs., F H Shallus Co., Hamburg; **Nitrate**, 100 bbls., 23,892 lbs., Potash Importing Corp., Hamburg; **Sulfate**, 300 bags, 60,289 lbs., Potash Importing Corp., Hamburg; 750 bags, 150,711 lbs., F H Shallus Co., Hamburg

SULFATE OF MAGNESIA—2,479 bags, 498,150 lbs., F H Shallus Co., Hamburg



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IMPORTS AT BOSTON

Dec. 26 to Jan. 2

CASEIN—417 bags, First Nat Bank, Buenos Aires; 534 bags, Lee Higginson, Buenos Aires
EXTRACT—Quebracho, 6008 bags, Guaranty Trust Co., Buenos Aires; 1,993 bags, Dominion Bank, Buenos Aires; 2,931 bgs, Bank of Montreal, Buenos Aires
MOLASSES—738,100 gals., American Molasses Co., Cuba
OIL—Castor, 1 cask, I M Sobin Co., Antwerp
POTASH—6,890 bags, Order, Antwerp
SHFLLAC—30 bags, Order, Calcutta; 50 bags, aring Bros & Co., Calcutta

IMPORTS AT NEW ORLEANS

Dec. 25 to 31

ALUMINUM SULFATE—675 bags, Order, Rotterdam

BAUXITE—2,586 tons, Republic Mining Co., Paramaribo
CHALK—656 sks., Order, Havre
EPSOM SALT—720 sks., Order, Bremen
FERTILIZER—1,000 sks., Order, Hamburg
FULLER'S EARTH—4,350 sks., Order, London
GUM—Chicle, 689 bales, Wm Wrigley & Co., Fort Barrios
MOLASSES—997,000 gallons, Dunbar Molasses Co., Havre; 450,000 gallons, Cuba Distilling Co., Matanzas
POTASH—Muriate, 4,500 sks., Order, Antwerp; Nitrate, 191 sacks, Order, Hamburg; Kainit, 12,006 bags, Order, Bremen
PYRIDIN—20 drums, Order, Havre
QUEBRACHO EXTRACT—100 sacks, Order, Hamburg
SALT PETER—86 sacks, Order, Hamburg

IMPORTS AT SAN FRANCISCO

Dec. 19 to 26

ANTIMONY—Regulus, 100 cases, H. M. Newhall & Co., Hankow
ARSENIC—1,000 cases, Pacific Orient Co., Kobe
OIL—Coconut, 230 tons, Victor Labadie, Manila; 195 drums, Order, Manila; Olive, 400 cases, A. Guirani & Bros., Genoa; 150 cases, Maillard & Schmiedell, Genoa; 85 cases, Daneri Bros., Genoa; 109 cases, Order, Genoa; 350 cases, Order, Leghorn; Wood, 285 tons, S. L. Jones & Co., Hankow
SEEDS—Mustard, 25 bags, S. L. Jones & Co., Otaru
SODIUM NITRATE—5,351 sacks, W. R. Grace & Co., Tocopilla; 1,305 bags, Wessel Duval & Co., Iquique
SPICES—Pepper, 50 bags, Order, Barcelona

Books of Trade Interest

TEXTBOOK OF PHYSIOLOGY. William D. Zoethout, Ph. D., Professor of Physiology, Chicago College of Dental Surgery, Cloth covered, 616 pages. First edition published 1916, second edition 1925 by C. V. Mosby & Co., St. Louis.

This book is designed as a text book for students who are unable to devote time to the more comprehensive texts, yet who require more detailed information than can be secured from elementary texts. It is amply illustrated, and covers the subject well, but is somewhat oratorical in style. For the chemist as such, it contains little of interest outside a general discussion of formulae and metabolism.

LABORATORY MANUAL OF ELEMENTARY COLLOID CHEMISTRY, Emil Hatschek, second edition, 153 pages. Published 1926 by P. Blakiston's Son & Co., Philadelphia.

Without enlarging the compass of the first edition greatly, this second edition offers a wider choice of experiments and also includes a number of more recent developments. The experiments outlined are designed to give a maximum of general knowledge and experience in colloid chemistry practice with a minimum of expenditure for material and equipment. The purpose of the author to enable the student to familiarize himself with a number of fundamental operations by making certain characteristic preparations and studying them by standard methods, seems to be well realized in this book.

ALLEN'S COMMERCIAL ORGANIC ANALYSIS Vol. IV. Fifth Edition. Cloth bound, 648 pages. Published 1925 by P. Blakiston's Son & Co., Philadelphia.

The fourth volume of this valuable series deals with the analysis of resins, rubber, gutta-percha and essential oils. The new edition has been largely rewritten and includes much new matter and omits some that has become more or less obsolete. Being carefully edited by men who are experts in their various lines, this book cannot help but be accurate and of great value to any who find it necessary to examine oils, resins or rubber gums.

Imports of plant sprays into Japan are necessarily limited, due to the fact that Japan is herself a source of a number of the raw materials used in the sprays, according to Consul H. B. Hitchcock, Kobe. However, some insecticides and sprays are imported, notably Paris green, London purple, lead arsenate, sodium and potassium prussiate, coal-tar disinfectants, delis root and Marseilles soap.

Contracts Awarded

The following awards for chemicals have been made by the quartermaster supply officer, Fort Mason, all firms being in San Francisco: 8,940 cans lye at 7.24c to John Rothschild & Co., Inc.; 7,700 lb sodium carbonate at \$2.14 to Pacific Silicate Co.; 900 gallons neatfoot oil at \$1.35 to W. P. Fuller & Co.; 2,000 lb chlorinated lime at 4.4c to Henry C. Hacke; 10,000 lb soda ash at 2.14c to Braun-Knecht-Heimann Co.; 100 gal. neatfoot oil at \$1.45 to W. P. Fuller & Co.; 5,000 lb sal soda at 1.275c to Los Angeles Soap Co.; and 1,000 lb naphthalene balls at 83/4c to Herbert F. Duggan.

Perry-Austen Mfg. Co., Staten Island, have been granted contracts by the Post Office Department to supply 3,200 gal. cellulose acetate airplane dope at \$1.95 and 1,000 gal. thinner at \$1.10; and Titanine Mfg. Co., Union, N. J., have been awarded a contract for 800 gal. aluminum nitrate airplane dope at \$1.82 and 300 gal. thinner at \$1.04 a gal.

Digestive Ferments Co., have been awarded a contract to supply the Department of Agriculture with 250 lb. bactopeptone at \$937.50 and Fumigators Chemical Co., has been awarded a contract to supply 17,500 lb. liquid hydrocyanic acid at 70c lb.

Pacific Silicate Co., San Francisco, has been awarded a government contract for 5,000 lb calcium chloride at 1,325c and 1,000 lb sodium bicarbonate at 3 1/2c lb.

The chemist is of very real aid to the real estate operator, in that his analysis of the soil gives information as to its desirability for building purposes in showing how it will support large buildings and how difficult the excavations will be, says Robert M. Catts, president of the Merchants' and Manufacturers' Exchange in commenting on the Chemical Exposition from the point of view of the non-chemical observer. The chemist has also developed fire-proofing materials and metal alloys for building use.

A Swedish match company has been granted the monopoly for the manufacture of matches in Peru by the Peruvian Government. The concession extends over a period of 20 years and entitles the match company to import matches free of duty, manufacture them in the country, export and re-export them.

The building committee of the Board of Trustees, Cornell College, Mount Vernon, Iowa, has tentative plans under way for a three-story chemistry building and laboratory, 45 x 86 ft., estimated to cost \$100,000. An appropriation is being arranged to finance the work.



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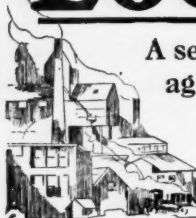
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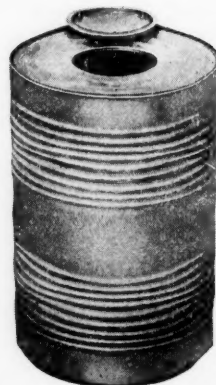
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MISCELLANEOUS—Bids are wanted on dates indicated by the bureau of supply, Treasury Department, Washington, for: Cir. 2832. 20 bbls. oil of expressed almond and 2 tins cetaceum, opening of January 7. Bids wanted by purchase and issue subdivision, veterans' bureau, Washington, Cir. 151. Large quantity of drugs and chemicals, opening of January 18.

NAVAL SUPPLIES — Bids are wanted on dates indicated by the bureau of supplies and accounts, Navy Department, Washington: Sched. 4773, Boston, 48 lbs. ground cinnamon; Brooklyn, 504 lbs. do, and Philadelphia, 96 lbs. do, opening of January 7; Sched. 4866, western yards, alcohol, opening of January 12.

OILS—Bids are wanted January 12, cir. 66, by the quartermaster intermediate depot, Jeffersonville, Ind., for 900 gals. lubricating oil and 500 gals. kerosene

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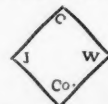
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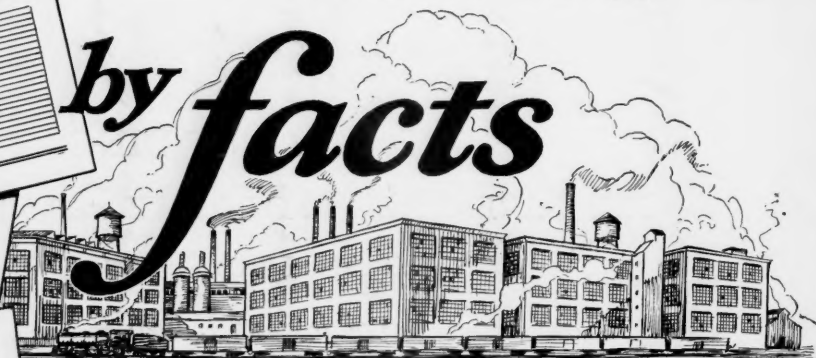
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